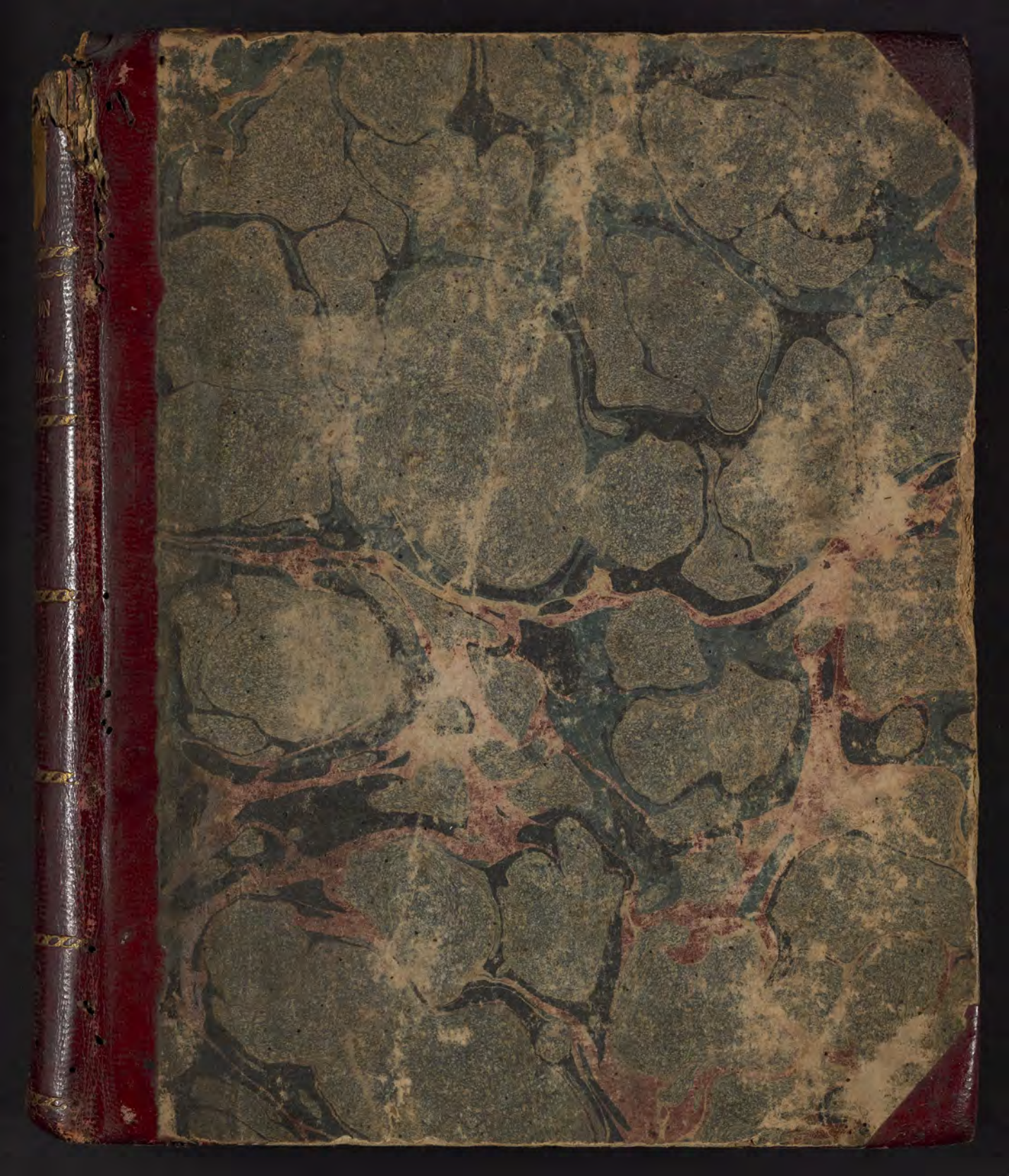

H. Lenox Hodge. M.D.

Diseases in wh Opium has been employed. & first of Intermittent Fevers.

The use of Opium in these fevers is far from being a modern practice, for even Galen tells us he has performed cures by it

It was used by the Arabian Physicians Paracelsus & Hortius & his Cotemporaries gave it with success immediately before the expected Paroxysm. Mr Barietta generally gave it about an hour before the expected fit, especially if the Patient complained much of cold & Tremors, he says it is not proper unless given about this time before the Paroxysm

Dr Lind however gave it during the hot stage, & says it moderates all the symptoms, he observed it to have the follow^g effects.

1 To shorten the duration of the Paroxysm & abate its violence

2 To give sensible relief to the head &

111 Soft & refreshing sleep for wh the Patient awoke bathed in Sweat. He always gave it after the Paroxysm began to abate, & says that it never did harm. If the Patient was delirious he waited until he was calm. Dr Lind tells us since he has used Opium in Intermittents, he has never seen jaundice & Dropsy in his Patients. — I wd remark however that altho' the exhibition of Bark & Opium during the hot stage of Intermittents may be proper in hot climates, it certainly is improper here; perhaps the practice of Dr Lind may be followed with advantage in the more Southern part of the U. States. I have observed the effect of opium more particularly in Intermittent Fevers than in any other disease, & have uniformly found that in cases where it did not abate immediately that it never increased the fit, but that the Patient received some

benefit - it never increased Delirium - But I shd always advise it to be delayed until the Fever was over. Opium prepares the system for Bark. I generally give a dose with about Zij of the Tinct Sacra, thereby changing the bowels & obviating costiveness. The experiments made by Lind are certainly ingenious, but I am unwilling to follow his practice. -

I have observed in Intermittents accompanied with a pain in the head, where Opium was given before or after the Paroxysm, that it always increased it. Upon the whole, I think it rather dangerous when there is a pain in the head, for determining the blood to that part. -

I am not singular in my opinion of the impropriety of its use in the hot stage. -

Dr Stork of Vienna says that Opium given during the hot stage of Intermittents, increases the Delirium if any attends, makes

the pain in the head more severe &
When we consider that in many Inter=
mittents there is a great determination of
blood to the head, & disposition to Apoplexy,
& also that Opium when it kills, does so by
inducing Apoplexy, & when we further take
into view the Stimulating nature of Opium,
the impropriety of exhibiting it during the
hot stage must be evident. —

Dr Morton gave it in a great number
of instances, & said there was only 2 cases
wh were freed fm fever after sleep; in one
case there was an entire loss of appetite, & in
every one a great tremor, & prolonging of the
Paroxysm. — But I am far from asserting
that it cannot be given with advantage
as recommended by Lind. The same ob=
servations will apply to Opium that I
made on the Bark. —

Dr — of Niagara found Anodyne draughts
about the commencement of the fit affi=

cacious - He combined it with Sal: Ammon: & thot that they mitigated the violence of the Paroxysms, but increased the debility of the Patient. -

The Testimony of many respectable Physicians is in favour of the efficacy of Opium exhibited about an hour before the accession of the cold Stage. It has in many instances prevented the return of the Paroxysm

Dovers powder is one of the best & most certain of all Sudorifics given a short time before the expected accession of the Cold Stage - It has either prevented it or been otherwise useful. Violent Intermittents that are little disposed to terminate in Sweat, might be shortened by giving Opium in the form of Dovers Powder! -

Dr Cullen says it is most efficacious when given before the fit in a cup of warm Coffee without Sugar or Milk; its tendency to affect the head, & its Narcotic

effects are thereby diminished, while its stimulating effects are not — It also increases the Sudorific effect. Coffee possesses great power in diminishing the effects of Opium; No more sleep is induced by 60 drops of Laud: in a cup of Coffee than by 25 or 30 without it. — Mr Says that Coffee has an Antinarcotic effect when burnt; he found what quantity of Opium wd kill a chick when given with unburnt Coffee, & he afterwards gave the same quantity with burnt Coffee, & found that it only made the fowl stagger. —

Sir Jno Pringle says that Coffee assists the operation of Opium in relieving Asthma. Coffee with Opium prevents the sickness of Stomach, langour &c wh often succeeds the administration of Opium. —

Opium has been found useful combined with Bark - it makes the Bark sits easier on the stomach, & prevents it. Gn running off

by the bowels. — Dr Cullen says he gave it in this way before the expected fit, & that it increases the powers of the Bark, & enables a less dose of the bark to prevent a return of the fever. — I confess I think very well of this practice, & am of opinion the the combination of the Bark with Opium, Camphor, Serpentaria &c is especially useful in those Intermittents wh have a strong tendency to Typhus —

I have commenced with Intermittent fevers because it afforded me an opportunity of shewing the Tonic effects of Opium upon the System

The use of Opium in this disease is of ancient date. Barietta & others agree that it is proper but they cannot agree about the time of giving it. Mr B — says it is improper after the commencement of the Paroxysm, but Lind is of a contrary Opinion — the testimony of its utility during

x These have, by some Nosologists been divided into many Genera. Cullen reduced it to Synochus Synocha & Typhus ——— —

the hot stage is not so weighty Dr Lind being the only Author that maintains it I have had no experience of it in the hot stage neither do I deem it safe; tho' I think it may be exhibited with more safety during the Paroxysm in hot than in Cold climates -- I proceed now to say something of its use in

Continued Fevers. -- x

Typhus. It has been used with good effects in Typhus fever - I am not of opinion with Dr Cullen, that Typhus & Synochus fevers are always produced by different causes. Dr Currie has proved that Marsh Miasmata will produce both Typhus & Synochus Fevers. Cullen on the Contrary asserts that Synocha & Synochus are produced by Marsh, & Typhus by human Miasmata Genuine Typhus has been known to be produced by a Stagnant pool. —

I am of opinion that many Typhus

Fevers are in the commencement of high excitement or excessive action contrary to the opinion of Professor Cullen who holds that they are all fevers of too feeble action. From the beginning & in the commencement of this disease the pulse is sometimes full & strong, as in the commencement of other fevers. I assert this from much experience in this disease. In all the cases of Typhus attended with a full & strong pulse, the febrile Symptoms continued longer than in the Ty Fever. In this stage of Typhus Opium cannot be given, but with injury to the Patient. It neither induces sleep, nor abates pain, but aggravates the inflammatory Symptoms. —

Dr Cullen says that Typhus is sometimes greatly disposed to inflammation the duration of this inflammatory Diathesis is very various. — As all fevers of a continued kind are, I suppose, the ef-

fect of Stimuli, the stronger the Stimulus applied, the shorter & more violent this inflammatory state of Fever. —

After the inflammatory symptoms of this Fever are removed either by Nature or Art, by V.S. Purg^s & an Antiphlogistic regimen, various symptoms occur w^h may render the use of Opium necessary. In general cases of Typhus, Wine, Bitters, & other Cordials are equal to the relief of the Patient, yet there are cases w^h absolutely call for the use of Opium. — & first

<u>Delirium</u>. There is a delirium occurring in the first stage of Fever, while inflammat^n still exists, in w^h Opium must do harm; this is best treated by V.S. Purging & an Antiphlogistic regimen. But in delirium of the last stages of low Fevers depending on debility, all Physicians of any practice have agreed upon giving Cordials, & now with more applause than Opium. —

Dr Sydenham's practice in Typhus fevers accompanied with considerable inflammation was to bleed & blister for a certain period (to the 12th day) & then commence with Opium & some other stimulus. But I don't imagine this rule shd be followed - I wd never attend to the time but be governed by the pulse - for if delirium appeared on the 3d day after the attack, & the pulse indicated the use of Opium, I wd not hesitate to exhibit it. —

I wd refer you to Dr Gilchrist's work on Typhus Fever, the Dr says that a great contrast may be discovered between two patients in Typhus Fever; one of them having taken Opium, & the other not, under exact circumstances in other respects; he observes that in a general way, there is a remarkable alteration in the Pulse, it seems to keep it within proper bounds, & in conjunction with Camphor is peculiarly

efficacious in terminating to the surface of the skin. — He commonly gave it in the follow^g Formula. —

℞ Gum Opii - gr. iij
℥ Camphor gr. 10 to 15 mixed & formed into a Bolus w^h sh^d be given at bed time. Or the follow^g may be used if preferred ℞ Camph: Julep - - ℥ij
Vin Antim: - - gr 30 or 40
at a dose, & if the effect desired is not produced in 4 hours; repeat it. ——

Dr Cullen seems to have exhibited it with peculiar success in relieving maniacal irritations in the advanced stage of fever & particularly in one case w^h he deemed septic. The cause of fever gives an irritation to the brain w^h is not of the inflammatory kind but produces convulsive motions of the limbs to a considerable degree & to this irritation we ascribe the subsultus tendinum so much noticed in the ad-

vanced stage of continued fever – the same irritation produces frequently a delirium wh is not of the Phrenitic or inflammatory kind, we call it the Maniacal – In this case he thinks Opium the sovereign remedy, given in large doses & repeated every 8 hours – he wd have said 4 hours unless sleep, or a remission of the convulsive motions & Delirium follow, for they are very apt to recur. –

Opium has often been of service in preventing wakefulness succeeding the delirium of debility, in the 2d stage of Typhus; but in the first stage the Antiphlogistic plan has been found most successful. –

In Tremors or subsultus Tendinum, Musk & other stimuli have been recommended; in some instances Camphor has been found useful, but I believe no med: has so frequently triumphed as Opium

Gregory says that Wine & large doses of Opium are the best remedies he ever used

A Diarrhoea frequently accompanies continued fevers particularly Typhus — Here I have seen Opium in many cases useful, & best combined with Astringents of some kind — sometimes it is best given in Glyster, & more especially says Dr R — after it has ceased to act on the stomach

I have witnessed the good effects of Opium so much in Typhus Fever that I wd as soon attempt to cure Pleurisy without V.S. as Typhus without Opium. It raises the sinking pulse, increases the heat & strength of the body, & removes Delirium & Subsultus Tendinum. Tho' its effects are powerful, the Patient is soon exhausted, & it is not uncommon at the end of 2 hours to find the patient extremely exhausted, this ought be closely attended to, the pulse ought be narrowly watched, & a second dose must be given before the action

of the first has ceased - I have found it necessary to awaken the Patient every 2 or 3 hours & repeat the dose, or it may be done oftener if the pulse shd indicate it

The second circumstance wh requires our attention to the exhibition of Opium is its remarkable effect in producing sweat; sometimes to such a degree as to render it ambiguous, & I have been obliged to desist frm its use But in the generality of cases it is highly beneficial & perfectly safe in combination with Ipecac:

In Yellow Fever. I do not think Opium useful in Y: Fever except in some peculiar circumstances - Bad effects were discovered frm its use in 1793 principally during the first 3 or 4 days - it increased the pain in the head & back, augmented delirium, failed to check vomiting; increased the distress of the Patient by producing costiveness wh it is necessary to obviate by Cathartics - & frm its

frequently producing pain in the liver, it is highly probable it stimulates that Viscus —

In 1797 one hundred Patients complained of pain in the Epigastric region, & in fact our Physicians observed by that, an Epidemic Hepatitis was prevalent), it is increased by Opium, & it even sometimes caused a return of the pain after it had subsided. —

I don't mean to assert however that Opium is never proper in Y. Fever; On the contrary when it approaches to Typhus, the pulse small & weak, & the stomach very irritable I found it useful in stopping vomiting — And in some cases where hot brandy was unsuccessful, I found it to yield to large doses of Opium, with evident relief. —

<u>Plague</u> The Plague in its commencement is highly inflammatory, & in this stage Opium must be improper — I shd however imagine that it wd be useful in certain stages; tho' I have had no experience

In Phlegmasia. The whole of the diseases of the local inflammatory kind are comprehended under this head; & the generality of writers have agreed that Opium is highly injurious.

Inflammation has been divided into two kinds, Active & Passive, the former depending on an increased action of the vessels, the latter proceeding fm debility. Pneumonia, Gastritis Cystitis, Nephritis Enteritis, acute Rheumatism, are examples of the Active species of inflammatn. & of the Passive kind are some species of Opthalmia Chronic Rheumatism &c. In the active inflammatn. the Antiphlogistic treatmt is proper. But on the contrary the Passive is to be relieved only by the most powerful stimuli. In that kind of Opthalmia unattended by active inflammatn. the application of water alone has done harm while that of Brandy & water have been of service

Sometimes however even in active inflammation certain Stimulants are useful — thus Dovers powder is serviceable in Acute Rheumatism, they act by exciting the absorbents & producing evacuation by the Skin — And in the last stage of active Inflammat^n they are particularly useful in Stimulating the Absorbents. —

Dr Cullen says Stimulants are useful in the suppurative state of Inflammat^n, in these cases the pain is easily relieved by Opium

Dr Young of Edinburgh in his work on Opium, has laid it down as a rule that it is never to be prescribed where V.S. is necessary this is certainly a very good General rule, but there is sometimes a necessity of Deviating from it; as in cases of Gall stones passing thro' the Biliary Ducts — Or a stone passing from the kidneys to the bladder thro' the Ureters.

In Pneumonic inflammat^n the treatment is pretty well established by V.S. & ad-

hering to the Antiphlogistic regimen.
Huxham Dr Ham &c advise the use of it - Dr Hamilton found Opium combined with Calomel to be the best remedy see Vol: 9 Med: Essays - They all say that it shd be used with great caution, & not till after the free use of the Lancet - this is generally absolutely necessary
In the latter stage of Pneumonia, Opium is useful combined with Obnoxious substances. Cullen says in an advanced stage of the disease when the difficulty of breathing has abated, & the urgent symptom is Cough, this proving the chief cause of the continuance of pain, & want of sleep; opiates are useful. They often appear to interrupt expectoration, but this however is for a short time, & they seem most frequently to promote expectoration as they cause a stagnation of what was before insensibly dissipated by frequent Coughing. —

In the Pneumonia Notha of old people, the exhibition of Opium is very dangerous. The disease is best relieved by Blood-letting, Blistering, Cupping, & Purging. These Patients bear V.S. extremely well. One old man of 82 yrs of age was cured by 13 or 14 bleedings. —

Catarrhal Affections are generally in the commencement attended with a Phlogistic Diathesis, & therefore Opium is improper, but when this is reduced, it is given with advantage in combination with Antimonials. The cough that succeeds is kept up by irritation entirely, & therefore opium is the sovereign remedy. —

I have frequently used the following Mucilaginous Mixture

℞ Tinct: Opii Camph — ℥j
Vin Antim — — ℥ij
G Arab: — — ℥ij
Liquorice — — ℥iß
Aq: Boiling — — ℥viij

Two Teaspoonfuls to be given every 2 hours to an Adult. This mixture may be given with safety when Opium by itself wd be injurious — If it shd fail to produce Costiveness qr 4 or 5 of Ipecac: may be used instead of the vin Antim. Or if it shd not produce sufficient evacuations by the pores, the quantity of Wine, or Ipecac: may be increased. In those Coughs of Consumptive Patients, who are weakened by sweats, it is best to Omit the Antimonial Wine & place Ipecac: in its stead. —

In Influenza Dr Young thinks Opium improper — he says that it relieves the Cough apparently at first, but that finally its effects are prejudicial. In the Influenza wh prevailed here a few years ago, I often employed the Mucilaginous mixture with great advantage

The following is the Formula, for the preparation of the Tinct: Opii Camph: or

Paregoric Elixir ut — I have found better than that of the Shops

℞ Heard purified Opium
Flor: Benzoin a a ℥j
Gum Camph: — — ℥j
Rectif: Spt. Vin: ℥16 Digest 2 or 3 days. But before giving it, I generally found it necessary to use the Catheter, & open the bowels with a Cathartic. —

In the Paregoric Elixir of the Shops there are ℥ij of Camph: & some Oil of Aniseed, but this is preferable —

Dr Hunt says he did not find Opium useful in Influenza, unless it was to suspend the disease. But where Bleed.g Purg.g & Blistering are used, I have never seen the good effects of Opium more Obvious. —

<u>In the Asthma Senili</u> of Old People Opium has often been exhibited with great injury to the Patient by occasioning a tightness of the Chest, & by increasing the viscid=

ity of the Mucus of the Lungs: but this is prevented by combining it with Antim.-Wine or Ipecac: —

In Nephritis Vera however violent the pain, or however high the inflammatory symptoms may run, it is undoubtedly requisite to have recourse to Opium. In this complaint a patient can bear 4 times as much as in health. 4 pills each 10 gr. was given by Dr. Monro to a man of 75 yrs. in 12 hours. —

Rheumatism. This disease has been divided into two stages. Acute or inflammatory; & Chronic, or that depend. on debility. — The former kind is best treated by V.S. Purging, Blistering Sudorifics & low diet; but by extending this treatmt. it often produces extreme debility, & terminates in the Chronic kind. — When this assumes the Intermittent Type recourse shd. be had to Bark &c. in the Apyrexia — And after

× or 36

+ or 80 successful

the violence of the pain has abated we shd throw the Patient into a universal sweating, & continue this for 12, 24, or even 30 + hours. This however is not to be attempted until after the inflammatory symptoms have abated, or subsided; for as our Sudorifics are generally stimulants, & particularly Dover's Powder, they will instead of relieving, have a tendency to increase the pain & inflammatory action

Of all the Sudorific Med: I know of none so valuable as Dovers Powder wh is made as follows –

℞ Ipecac: &
Gy: Opii - - - a.a. ℥j
Sulph Potash - - - ℥ss. Rub them well in a Mortar so that the Opium & Ipecac: may be equally distributed thro' the mass – 10 grs of wh will contain gr j of Opium & 1 of Ipecac: Dose from 10 to 15 grs every 2 hours until sweating commences. – The

The Sulphate of Potash don't seem to be any addition to the efficacy of the Powder, it only serves to rub down the particles of Opium, & I have lately laid it aside & adopted the use of Gy: Arabic or loaf sugar, wh. seems to answer equally as well. —

Nitre enhances its virtue in the quantity of 6 or 8 grs to the dose. — It is improper to adhere to any one Formula, I frequently change it. — In making these powders be particular in the goodness of the Ipecac: I have often found that 1 gr. 0/2 of Ipecac: to 2 or iij of Opium is the best proportion. If the quantity of Ipecac: be increased it is very apt to increase Nausea. —

Dr Cullen's mode of exhibiting this powder was in the morning immediately after Sleep. But its exhibition is not incompatible with Sleep. — I commonly give it in the evening. There is however some danger of the Patients taking cold for his becom=

ing uncovered in his Sleep; to prevent
this he shd be laid between blankets, or
wrapped in Flannel. By attending to this
we shall seldom regret the use of Dover's
Powder. —

The Powder shd be made into a Bo-
lus with a little Syrup to prevent Squea-
mishness at the Stomach —

The covering shd be no more than what
the Patient has been accustomed to lie
under; unless some addition shd be
found necessary, & perhaps some consider-
able addition over the feet & legs. —

As the powder is apt to be thrown off
by vomitting, no drink shd be taken for
45 or 50 minutes, or until the patient be-
gins to Sweat, then some warm drink
may be taken frequently, such as Sage
tea, Boheatea, or wine whey. If the
sweating shd not extend freely to the feet
& legs, warm bricks, bottles filled with

× During the Sweating instead of the drinks above mentioned he may take frequently a weak soup as chicken broth or what we call Beef tea, & at his ordinary time of meals he may take some dry toast & or if the sweat does not proceed freely, & at the same time attended with much heat, he may take liquors or wine whey

warm water &c shd be applied to the Soles of the feet; for it is always proper to render the Sweating thus Universal. —

As the sweating shd be carried on with as little heat & uneasiness to the Patient as possible, if he finds himself very warm & restless, the additional covering & even part of that on the feet & legs shd be removed gradually. — If the person bears the sweating easily, it is of much consequence to continue it some length of time & always if possible 12 hours — then it will be proper to let it cease — The additional covering shd be laid off gradually, using every possible precaution to prevent his taking cold — The body shd be well dried with warm towels, his wet flannels shd be changed for warm & dry ones; & if the blankets be wet they shd be changed — He may be allowed to put out his hands & perhaps his arms fm under the bed clothes — &

the Patient may come out of bed the next morning & put on his clothes as usual, but he sh^d remain in his room one day at least, taking great care not to expose himself.

(It is a good general rule never to attempt sweating in the first stage, it is very apt to be hurtful while the inflammatory symptoms runs high; & when an attempt is made without success in Rheumatism, the pain is always increased). —

The exhibition of Opium is nice & somewhat difficult in the beginning of Rheumatism, when it does not sweat, a deep sleep is induced fr^m w^h the Patient wakes with an increase of pain w^h indicates V.S. instead of the use of Opium! —

When a sweat is excited by Opium in Rheumatism, the pain is generally increased just before the sweat breaks out, but are afterwards speedily relieved. Dovers Powder is in my opinion the best & safest

sudorific yet discovered

Ipecac: & Coffee both diminish the Narcotic effects of Opium. Small doses of Ipecac: have remarkable effects upon the Nerves. This irritating effect of Ipecac: is what enables it to diminish the power of Opium. 2 grs of Opium with 2 of Ipecac: will produce no more Narcotic effect than one gr of Opium alone. — When Opium or any Poison has been taken by mistake or with a design to destroy life, the best Emetic wh can be taken is Ipecac:

There is a Species of Acute Rheumatism attended with a quick pulse, local pains great irritability, debility &c This is very generally cured by Bark. —

Mr Hamilton informed me that Opium greatly assists Mercury in the cure of Rheumatism produced fm Venl affections. Whenever Rheumatism is very obstinate, & resists the usual methods of Cure, it is pro-

& generally

per to suspect a Venereal taint & to prescribe Dr Hamiltons Med: viz Merc^y & Opium

Gout. So long as this disease attacks the extremities opium is improper. & it is a very desirable object to confine it to the feet, & I think this may be done by flannels, & keeping the feet warm. & a regular diet. —

Dr Browns idea of gout was very erroneous. whenever he drove it from his extremities, it appeared in some of his vital organs. He says it is produced by indirect debility, & may be relieved by stimuli. I wish this assertion was true, his arguments are deduced by the Paroxysms being brought on by profuse V.S. Purging, excess in Venery, or by any other means intend to debilitate the system. But it is always inflammatory from the commencement. Thomson says it always precedes Pleurisy

or some other inflammatory disease

There is a species of Gout called the Atonic retrocedent, or more properly Gout of the Stomach, in wh the Patient experiences sickness, nausea, flatulency, & coldness of the extremities; here Physicians all agree that opium is proper. It has done much good in large doses; it must be frequently repeated. Cullen says he has given 10 gr twice a day, & I myself have given 450 drops of Laud: in 16 hours. —

Opium is more efficacious when combined with some other stimuli, Brandy Ether or Ginger. The two first shd be used sparingly, but Ginger is very safe. It may be taken boiled in Milk ℥ij may be given in 24 hours; & I have taken ℥j in 12 hours. — I prefer it however in powder infused in warm water, with small doses of Opium

Sick Head-ache I have long considered as a form of Gout, whatever may be its true origin whether of a distinct kind or not. – It often goes off spontaneously with a Diarrhoa, & flushing of the hands & feet; It is more effectually relieved by large doses of Laud: in a cup of strong Coffee than by any other means. –

In Hemicrania. This is undoubtedly a true Arthritic affection, & when it occurs periodically, it is relieved by Bark – Opium is often one of the most effectual remedies when given with Bark & other stimulants. –

Diabetes is often of a Gouty nature, & if with a dry skin, Dover's Powder is to be given, & has often cured it

In Exanthemata, & first of Small Pox In the first stage of this disease, & in many cases thro' its whole course, Opium is a dangerous Med: But in the Diarrhoea it is necessary. tho' this is a favoura-

ble symptom. In the suppurative & confluent stages of confluent S. Pox, Bark, Opium, Wine & Acids are proper —

Measles. This disease is no where better understood & treated than in the U. States. It is usually cured by means of the Lancet, moderately cool or cold air; Blisters &c. Opium shd never be given until the inflammatory diathesis of the system is brót down by bloodletting &c. The Cough attending is not relieved by Opium. When you give Opium prescribe the Mucilaginous mixture before mentioned; diminish the proportion of the Tinct: Opii Camph: Many persons have thót the Diarrhoea wt frequently attends the Measles shd be suffered to go on, but I am of a contrary opinion — It shd be checked by Opium

In the Hoarseness succeeding Measles Opiates are also proper. —

I have observed that children who have

the Measles & Diarrhea in the Spring have always been severely handled by the Cholera Infantum in the Summer. —

Scarlatina is one of those diseases in wh Opium has in some cases been used with advantage. —

Our med: has been advantageously used in some cases of Opthalmia. Mr Ware of England has used it by instilling into the eye 3 or 4 drops of Laud in the course of 24 hours. — In the painful Chronic Scrophula Opthalmia to wh those of a Scrophulous habit are subject it is useful as an Eyewash

Dropsy. It is useful in Dropsy of the Anasarcous kind; it was used by Dr Hamilton one of the best Practitioners of Europe In some cases it has done good by its Diaphoretic qualities. I have used Dovers powder with advantage in some slight cases of Anasarcous Swelling, succeeding Intermittent &

† or Urethra

* In difficult & Painful

Remittent fevers. I sh^d think it might be useful in Dropsy succeed^g those as are the effect of Cold

In Ischuria, if from Spasm of the bladder*, opium is the most important med. says Mr Pott

* Menstruation. Opium in the form of Dovers Powder, & with Camphor is an important remedy. —

(Diabetes — In some cases of Diabetes I sh^d think it an important remedy: the hot & dry skin w^h attends some stages of that disease calls for Dovers Powder) —

In Hemorrhages

In active Hemorrhages preceded or accompanied by fever, an active pulse &c, it is improper; but sometimes even in active Hemorrhages opium is an excellent remedy. Sometimes they are kept up by mere irritation w^h is relieved by Opium: but

it is frequently useful when this irritation is not present. —

In Uterine Hemorrhages it is very useful with Alum, & in some of the same kind with Ipecac:

℞ Ipecac — — 1 to 1½ gr
℥ Opii — ¼ to ½ gr — To be given every two hours; if pain be great at night to produce perspiration

Child bed Hemorrhages often perhaps depend on a spasmodic Constriction of the Uterus; here Opium is good. The Placenta shd never be extracted by force. —
The immoderate flow of Lochia is checked in many instances by Opium particularly in union with Ipecac: . —

Hemorrhoids are often an active Hemorrhage, & in these cases opium wd be manifestly injurious, not only by its Stimulating quality but by inducing costive-

vesf &c. But for the analogy wh subsists between some cases of Hæmorrhoids & Dysentery, I shd think that Dovers powder wd be very useful in such cases, if the bleed d be active. I think that much may be expected. — In the Internal Piles Dovers powder shd be used; & if external a poultice of Lead. — Opium externally applied has done much good either in the form of Lead: in a Cataplasm of flour — or of Opium ℥ mixed with ℥vj of an Ointment

Epistaxis is commonly active as appears by its occurring in the beginning of fevers, & here Opium does harm — But in this Hemorrhage I have used Opium combined with Sugar of Lead with advantage. —

Hæmoptysis is likewise an active Hemorrhage, & stimulants are generally improper. The common remedies

are Ref. cold air, very low diet, & Blisters to the wrists. Blisters will sometimes succeed when all others fail. But opiates are also sometimes necessary. I employ the Mucilaginous Mixture, & never experience any inconvenience from it. — In some cases it appeared for a time to retain it in the lungs, but this comes up afterwards. — With Dr Cullen I am of the Opinion that where there is no Cough opium is of no importance. —

In P Pulmonalis in some of its Stages, Opium wd be exceedingly hurtful, but it is impossible to manage this disease thro' its whole course without Opium

In Dysentery. Dr Cullen thot Opium improper, I think however he saw but little of Dysentery; as was also the case with Heberden who was likewise too sparing of it — He used it only in the last Stage — but both of these Au-

thors knew nothing of Dysentery. Dr Sydenham employed it, he began with gentle purges, & opiates night & morn^g In the E. Indies Opium is used with the most happy effects _ he found this a very successful Method, & one w^h never did harm. _ Dr Lind saw much of Dysentery & think Opium sh^d be early exhibited in Warm Climates wise

I use it in some form or other & never knew it to do harm; indeed I think it impossible to manage the disease without it _ It cannot be injurious by its quality tho' it may by its Stimulating _ On this acct I do not generally give it until after I have used Purges, tho' sometimes it may be given fr^m the first. Of late I have used it with Ipecac:, tho' not quite like Dovers powder, as a most excellent med: in both Chronic & active Dysentery. In injections it may be

given every 2 hours or more, with Barley water, Mutton Broth &c. It is often kept up by irritation, & here it is the best remedy — Dovers Powder is the best both in Acute & Chronic Dysentery. —

In Diarrhœa we generally exhibit it combined with the Cretaceous Julep, or with Rhino, or some other Astringent —

In Cholera it is an extremely valuable remedy. Writers tell us that it is first necessary to wash out the Primæ Viæ with some diluent drink — this is often useful — But in some cases of Cholera we have no time to do this — In many cases it is necessary to give opium with a liberal hand, in the incipient state we shd give 6 or 8 grs in the 24 hours, or even in half that time — But if we use fermapiums a smaller quantity will be sufficient. —

In Tetanus. Writers differ in their opinions of its use in this disease; & I can say but very little of the use of it from my own experience. Berzius says that it is an invaluable remedy. An anonymous writer on the diseases of the W. Indies informs us that he gave ℥ 20 of Opium in the 24 hours without any effect. This is the largest dose I ever knew, but it neither mitigated the spasm nor induced sleep — 1500 grs of solid Opium was given to a negro man in this City in 17 days with the effect of curing him. — It seem'd to produce Costiveness, but many facts prove that it does not always produce this effect. These cases are of great value, since it shews us to what extent we can employ Opium in Tetanus. — It appears that those Physicians have succeeded best who have given it in the largest quantities. Many respectable Physicians admit of the efficacy of Stimulants in

this disease. I think therefore that there must be some foundation for the use of Opium in Tetanus, & more especially as Bark, & Wine are so beneficial in this dreadful disease - they may be given with equal efficacy

I have given Ether to the greatest extent but the Patient died well - I have cured another with a small portion of Mercury, causing a mild Salivation

Opium externally applied is said to be good in Tetanus. Dr Lind & some other Physicians approve of the application of Opium & Camphor to the soles of the feet - they also speak well of some other Combinations

Hydrophobia is in some respects allied to Tetanus. - Little can be said of the use of Opium here, to increase our confidence in the Science of Medicine. Few cures have ever been effected, tho' some have been recorded. In order to

form a correct idea of the proper treatmt of Hydrophobia, it may be proper to inquire into the nature of the disease -

At its commencemt - it is a violent Sthenic disease - this will be confirmed by attending to its causes, & the med: wh have been found to be efficacious. Its causes are highly stimulating, as the bite of a Rabid Animal, of a Rattle snake, or some of the vegetable stimuli. -

If this be a Sthenic disease Dr Boerhaave's opinion of it was correct; he thot it ought to be treated as the highest possible grade of inflammatn by drawing blood in a large vessel, fm a large Orifice until the Patient fainted - Some persons have been cured by the depleting plan. - Nesquet says he found Opium serviceable, he was the first who used it, but he also gave much Saint gave it in large doses best without success (to the extent of 4 gr pro die, this was

small doses) If it has ever yeilded to this remedy, it must have been in very large doses 30 or 40 gtt. ℥ Diem

Lanes cured several cases with it, but they must have been spontaneous or symptoms of Hysteria – Dr Rush mentions Hydrophobia as a kind of Hysteria. I cured a case like those of Lanes by small Vf & small doses of Assafoetida. Stramonium Musk, Opium &c have been used with the effect of so far restoring the Patient as to enable him to drink largely of water. They have also relieved the violent spasms at the time

Chickweed has been highly extolled in the removal of Hydrophobia – this was used some years ago in England, & has lately been brot into use in the U. States. I think it is entirely inert, & never has cured a genuine case of it. A case fell under my care in at 400 gtt had been given commencing

immediately after the Bite of the animal with no effect. — Mr — tells us, that Haller caused a man with Hydrophobia to be bitten by two vipers, as a counter stimulus, & moderated the symptoms. —

Chorea St. Viti. This frequently calls for the Tonic plan of cure, Bark, Cold air, & Exercise — But I cured one case of it in a Pregnant Woman by Bleeding Opium has been found useful. Dr Sydenham used V.S. Purg. Opium & Bitters alternately, but I suspect he cured more by the Bitters than by V.S. Dr Crump says that in one violent case, large doses of Opium moderated the disease, but it again returned after its action was over, & the Patient fell a victim to it

Opium is certainly a very valuable remedy in many cases of this disease.

Epilepsy. Authors differ in Opinion respecting the use of Opium in

Epilepsy. This disease arises from very opposite causes, or to speak more properly, depends on different constitutions of the system. It is said sometimes to be the effect of repeated hemorrhages of red blood inducing great debility; but this is rarely a cause. If Epilepsy depends merely on Debility why does it not occur oftener in the last stages of Typhus & other fevers, & in old age? —

Dr Brown says it is never connected with a plethoric state of the system, but is always the consequence of debility; but he is certainly mistaken — I think that a Plethoric state of the system produces it — More cures have been accomplished by the Antiphlogistic plan than any other. —

It is often caused by a turgescence of the vessels of the brain, & here opium wd be very improper. But it also frequently arises an irritation applied to the nerves & here our Med: promises to be a valuable

remedy, & when given before the fit has often prevented it. In one case for this cause I gave Opium with effect. After the use of 3 grs a sensible effect for the better took place, & by continuing it the disease was cured. When the disease is Periodical, it ought be given during the intervals — The frequent use of it must increase the turgescence of the Brain —

Dr Cullen found it useful in those cases depending on an Aura Epileptica. This is called Aura, for in many cases, the first impression made by any substance is like cold air applied to the part. The Patient says he feels something like a drop of cold water travelling along from the extremities to the head, or like a worm creeping. It is supposed to depend on irritation applied to the nervous system. — It often originates in a pain like the sting of a wasp & rapidly travels to the Head. I think that

the Aura Epileptica is the same as the Aura Arthritica – In many cases a tourniquet will arrest this coldness & prevent its reaching the head – Opium is a very powerful remedy in preventing the return of this

Many cases of Epilepsy come on only during sleep, these are sometimes cured by giving Opium before going to bed the reason of these fits coming on at night appears to be fm the horizontal position of the body determining the blood to the head, & thereby producing turgescence of the vessels of that part – Add to this the increased warmth fm the Bedclothes – The patient shd sleep in as erect a position as possible, by sitting up & sleep^g or having the bed elevated

In the common affection of Hysteria, opium is much recommended & without it, it cannot be managed. This disease

like Epilepsy often depends on a Plethoric state of the System & therefore in such cases opium must be improper, but in some cases where there is universal fallings & irregular motions depending on the mobility of the nervous System, opium is proper. — Dr Cullen however says that the frequent use of Opium increases the mobility of the System. In those cases of Hysteria wh depend upon the passions of the mind, opium is useful, & that in large quantities, & is a sovereign remedy either in the Stomach or in either with or without Asafoetida

In Palpitations of the Heart wh depend on an organic construction of that viscus, opium can have no good effect. But it often arises fm Spasmodic affections of the heart, in such cases Opium will relieve it. Sometimes Palpitation occurs at stated periods, when Opium (if it does not de-

pend on Malconformation) may be proper.

Asthma. Opium is sometimes useful in Asthma. When it arises from turgescence of blood in the lungs, this med: shd: never be used. But when this disease is purely spasmodic, no remedy is so valuable as Opium. I believe that Asthma is frequently an Arthritic Affection, as I have observed in my practice, I know two ladies in this City, of a Gouty family who have violent attacks of Asthma, & nothing relieves them from it, but the pain settling in the feet, & then the Asthma leaves them. The same remark applies to Palpitation, this sometimes goes off in the form of Gout in the feet. I believe that more than half the cases of Palpitation wt are met with in practice are of a gouty nature. —

Chincough. Here Opium as well as Bark is often injurious, & it frequently hap-

pens that Vs is proper. Opium may sometimes be given in very small doses without any bad effects. After the Cough has continued a great length of time, it may be relieved by the liberal use of Opium. —

Water Brash. This disease is common in Europe & is said in some places to be Endemic. Linnous says that this disease is ~~un~~common in Sweden, & is brot on by the use of smoked meats, & declares that it is relieved by the use of fresh meat & milk — It sometimes continues thro the whole of life. — Dr Cullen says it is a painful disorder, & may be relieved by Opium, but that this relief is only temporary. I take it to be a symptom of Dyspepsia. I once used Opium with advantage, but it only palliated, but the disease was removed only by the Oil of Amber. I had given Kino & Rubigo Ferri with great advantage, but this I attrib —

v that proceed from God

ute to the former. —

Cholic. Of this there are many varieties. If the pulse indicate febrile action in the system, especially if the Patient has been costive, opium is improper, at least until V.S. has been used, & the bowels emptied by a Purge. — The vomiting wh. occurs so frequently in this disease prevents purges fm. acting as well as could be wished. —

In the Hysteric & Cold Colic, opium is highly recommended in removing the violent pain; it may be given without any previous evacuation.

In Bilious Colic there is always a superabundance of Bile, & after this is discharged, opium is of infinite service. — It has been strongly recommended in Colica Pictonum, wh. is sometimes tho' not always the effects of lead. It may be employed both externally & internally

Stahl & Hoffman say that Opium alone has often proved Purgative in Colica Pictonum; he used it with much success. It shd be combined with Purgatives. It may be employed in very large doses — Stahl gave 13 French grs without producing sleep, & a French Physician has given 96 grs without sleep —

Cholera. Every Physician acknowledges the efficacy of Opium in Cholera, & frequently rescues the Patient from the grave

In Incarcerated Hernia it has been given after large bleedings. It is in my opinion the most proper practice — Refer to Surgical Chair —

Mania has sometimes been cured by Opium — & also Melancholia. — Dr Young gave it to a Patient, & recommended the Bath in 8 days, & he was cured but he knew not to wh to ascribe the recovery. Dr Cullen thinks it mitigates

the violence of the Paroxysms, at other times it increases it. When mania depends on an Organic affection of the Brain, Opium can do no good. But in recent cases he says it may be useful. It often induces Sleep, but by giving large doses to obtain this end we may do much mischief.

There must be many cases proceed[d] from distress &c. And in that species induced by Acid Spts, where Opium is the sovereign remedy — I think it will be of advantage when the Pulse is feeble.

In Mania of Puerperal Women, & from Acid Spts Opium is a useful remedy. I have myself employed it, & have known men restored to their families after having been affected with Mania from the use of strong drink. I wish this to be particularly remembered. — It is however a difficult practice, we sh[d] gradually diminish the quantity of Acid Spts & afterwards as gradually diminish the quantity of Laud: w[h] is employed. I at first add an in-

fusion of pepper to increase the stimulus of the Lard:

In Old Ulcerous affections, opium was found of great service in St Bartholomews Hospital London —

In Syphilis. The use of Opium in Syphilis is quite a modern practice, & it was accidentally discovered a few years ago. A young man who was affected with this disease & was deemed incurable resorted to Opium, & it is said was cured by it.

It is however a med: on wh no dependance is to be placed in effecting a cure. It shd be combined with the different preparations of Merc^y to prevent them from Purging wh they seldom otherwise fail to do — particularly the Calomel & Corros: Sublim: Opium by itself has never cured Syphilis; & when it has been said to cure it, some of the preparations of Merc: had been previously employed. Opium acted by inducing as it were an Anti Syphili-

tic action, & thereby preventing the virus from affecting the System. —

It has been said to recall Syphilis after the Patient has recovered fit.

Opium is used externally in Mere: Ointment in bent cases. — It is often employed in injections in Gonorrhoea, but I do not like the practice much, tho' it is very good in some cases. In Chordee we must have recourse to it. —

I have long recommended Opium, as a check to the Salivary discharge produced by Mercury, we may use a gargle of Laud: & water in the proportion of ℥j of Laud: to a pint of water or Molasses, & the half, or the whole of this to be used in 24 hours. Sometimes an Aqueous Solution of Opium is better

The internal use of of Opium is also very useful in checking the Salivary discharge. I give 3 grs of it in one night; but sometimes instead of Opium alone I give 3 or 4 grs of Opium with as much Ipecac: wt produces a profuse

perspiration. Salivation cured with cold will return, but when there cured, it will not

In Gangrene, especially that described by Mr Pott wh attacks the toes of old people, Opium is the best remedy that can be applied

In Cancer I have but little experience of its use, but it is necessary, & when the pain is very great, the patient will have it. - In one case wh I have seen, it did manifest injury. — A woman in this City labouring under a distressing Cancer of the womb took ℥ij of Opium & ℥ss of Land daily for a fortnight. —

In Difficult & painful Menstruation opium is indispensable, either with Camphor, or in the shape of Dovers powder

Opium is therefore a very powerful & useful remedy when skilfully & judiciously employed, but with an ignorant person, it

is like a sword in the hands of a furious madman. —

Solanea. —

Hyosciamus Niger, or Black Henbane.

This is a very active & valuable article of the Mat: Med: & is well entitled to the attention of Physicians. It is not a native of America, but I have seen it grow so luxuriant here that it might be easily mistaken for an indigenous plant. It has a strong resemblance to the Tobacco. — There is another species called Hyosciamus albus wh is very much like it. The black is the most powerful stimulating & narcotic Medicine. It sometimes succeeds in producing the usual effects of Opium where that med: fails. —

Mr B: informs us of a person who took ℥ij of the Bruised seed was siezed with a fit of the Colic, but was soon relieved by an Emetic.

× In one of them the eye was considerably inflamed

⊙ diminution of sight

Several Monks having boiled & eaten the root were made furious by it, they were however cured? — In a woman who ate the root it produced great heat in the Stomach, & terminated in Madness. These symptoms were removed by Vinegar, & next day a number of vesicles broke out.

While I was in Edinburgh I was very much affected by it. One evening after making some experiments upon the extract of Henbane, I left the vessels containing it in my bed room, where I was exposed to the vapour in the night — very alarming dreams came on, & even Delirium ensued. —

From what I have said, it appears evident the Henbane is a most powerful Stimulus & nearly allied to Opium. With this difference, that Opium very generally produces a Constipation of the bowels; & Henbane often Purges. I say this is generally the effect of Henbane, but not universally. Dr Stork

- 5 -

tells us of a Patient in whom it produced Costiveness

Henbane is also a powerful Diuretic

An examination of bodies killed by Henbane, establishes its Stimulating effects. The brain is always found Turgid & inflamed, frequently a Serous fluid in the Ventricles.

Dr Hoot who was much in the habit of using it, generally gave 1 gr 2 or 3 times a day, sometimes increasing it to 8, 10, or 15 grs a day. — To one patient in Melancholia, he gave as high as 20 grs a day. — The Dr asserts that Henbane is sometimes more powerful in inducing sleep than Opium, & may be given with as much safety — & it agrees with some some constitutions with whom Opium does not. —

I have had much experience of the Salutary effects of this Med: & am convinced that it might be used oftener than it is

In two women labouring under Amen

orrhea. it produced a Salivation, & brót on their menses

In some cases of Consumption, henbane will be found advantageous. Dr Gedding began with 1gr of the extract 3 times a day - it produced a copious perspiration, placid sleep, & invigorated the mind; but he did not find one case cured by it - It however alleviated their miseries

In Mania Dr Park & myself attended a young man who was affected by Mania of a violent kind, we prescribed Opium several times but it always increased the violence of the Symptoms. We then gave henbane & it produced a comfortable sleep. The patient asked for it during his lucid intervals, & finally died for the effect of drink

Dr Fothergill used it in Mania, & informs us that he perfectly cured one Patient - He began with 5 grs pr day & gradually increased it to 30; & at the end of 5 weeks the Patient

was perfectly cured

He also used it in Puerperal Mania in one case the disease yeilded in 14 weeks. - In these cases Opium, Henbane & other Stimulants may be used with advantage, & are even necessary in mania of this kind accompanied with or depending on Debility. — Stramonium & Hemlock are more to be depended on than Opium, & in fact are the most useful Narcotics. —

Cullen says that he has found it of service in Epilepsy, but not more so than Opium - In other instances he says it has produced a troubled sleep & he has laid it aside for being so frequently disappointed Notwithstanding its laxative effects I think that it does not often produce the effects Mr Cullen describes but generally brings on a pleasant sleep when Opium fails

Mr Davy of London has lately recommended it in Tic Doloreux

Dr Stork used it in Hemorrhage. I conceive this med: to be about as good as Opium in Hemorrhage, & the same rules laid down when treating of the use of Opium in this disease are very applicable here, viz that it must not be used in active Hemorrhage, or while it exists in the system —

In Hooping Cough & Chincough we are told it is useful — Hoffler used it in Hooping Cough, & gave gr. ij a day to children! — Vf Purging &c — th^d be first used, after wh^ch Opium is very good; & as Henbane is allied to Opium, & has the advantage of Purging, it must be preferable to it in this disease. —

In Chordee after Vf leeches &c Opium is proper, & I think henbane wd be useful. Mr Belgrave used it — —

In all cases it th^d be cautiously given at first — 1 or 3 times a day, in this way gradually increasing, it may be extended

to 40 gr. The same attention shd be paid in giving Henbane as Opium, only that it may be increased more rapidly. —

When the extract is used it shd be prepared fresh every season, tho' by proper care it may be preserved for some time.

The Extract is prepared as follows

℞ Take the leaves when full grown enclose them in a cloth, & apply pressure — the juice expressed is received into a shallow vessel, wch is placed in the shade, so that it may not be acted upon by the sun, & to remain in a dry shady situation until it shall have evaporated to the consistence of Molasses — it is then to be put in bottles well corked — In this manner it may be kept for 2 or 3 years. —

Datura Stramonium.

This is a common & general plant in the U States; it grows plentifully in the vicinity of this city. — It is known by various names; as Jamestown weed, Stinking weed &c On Staten Island it is called Henbane. —

It is an annual plant; there are 2 species; One known by the name of Datura Stramonium, has a white blossom with a green stalk — The other is called Tatula has a red stalk with a white flower. — The smell is poisonous & very disagreeable — Linnous says, Goats & sheep eat it & are fond of it; & after the leaves are affected by the frost, cows eat them — It is probable they only take it as a condiment, for the same purpose that we use Mustard Pepper &c — Hogs eat it but it makes them drunk. —

The first act — ever given of any medical

article of America was by Mr Beverly of Virginia. He speaks of its Narcotic & poisonous Qualities. In some Soldiers who boiled & ate it, it produced a Singular Effect; they blew Feathers, jumped &c They were confined for fear of injury, but none of them attempted any Mischief. — These effects lasted about 11 days when they recovered without the aid of any Med: — This shews the powers of the Constitution in getting rid of the poison of Vegetables. —

The extract & other preparations of Stramonium are said by some Authors to be Sedative. but this is a gros error. — It is employed in Substance & extract; & the Indians, & some Nations, as the Turks, who can't procure, or who are forbid the use of Wine or Spirits take it to produce Intoxication. — Prosper Alpinus tells us that the Turks substitute it for Wine

It produces Tetanus & Hydrophobia when

taken in large quantities. It also increases the flow of Urine, increases the tension & fulness of the Pulse, & increases the intestinal evacuations — & also the Perspiration

It is a most powerful & universal Stimulant — VI Gr. of the Pulv: leaves given by Mr Cooper to a man raised his pulse in 100 minutes, fr. 80 to 105 — It has been said to produce a Salivation. —

It produced Tetanus in some English Soldiers in Elizabeth Town, N Jersey who ate this plant mistaking it for Lamb's quarter. — & Hydrophobia upon Sir Jno Sinclair — Dr Sebastian mentions two Children who it affected with Hydrophobia — This disease has been produced by many other Articles, & particularly Camphor. —

Diseases in wh it is employed

This is one of the active Med: with wh we have become better acquainted since the

time of Baron Stork of Vienna

Mania & Epilepsy Stramon: was employed in 1755 first at Vienna by Stork in Mania, Epilepsy, & Melancholia — he gave the expressed juice, & with success

Cullen says he is less in favour of it than he was of the other med: of the same kind wh he recommended. — Mr Grading used it in Epilepsy & in Epilepsia combined with Mania without much success Dr Cullen therefore does not think it adapted to those two diseases. he says however that there may be some cases to wh it is suited — It has done much good in these diseases in the hands of some of the British & other Practitioners. I

Houlsman says that it is superior to Opium, & cures all obstinate affections of the mind — He employed an extract from the seeds —

Bergius passes high encomiums on the extract, & he has been highly successful in

Puerperile Mania – He says if a Seton be introduced into the neck, the Med: is more efficacious – he used the inspissated juice in the form of an Extract – He also thinks it efficacious in Mania proceeding from drink, & in that in weak delirium.

Mr Wadenburg mentions some Cases of Convulsion or Epilepsy wh were cured by Stramon: Dr Lind says it is effectual in Epilepsy

Dr Archer says he has given it with great advantage in some cases, & in others with none – In general the cure was effected with more certainty when the fits returned regular, & at short intervals, & where it did not cure, it prolonged the intervals, & mitigated the violence of the Paroxysms – he gave 2 grs of the Pulv: seeds made into a pill every 6 hours, until some sensible effect was produced; & this to be kept up until the time of the fit was pas-

sed - & it shd be given for a few days before & continued for a few days after the expected fit. — During the intervals of the Paroxysm, the Patient shd use low diet & occasional Vf in small quantities. — He says that in those who have irregular returns of the fit, & long intervals, it must be given constantly for in such cases we cannot with any certainty anticipate the occurrence of the fit. —

Dr Archer directs that we shd gather for use, as being the most powerful those seeds wh are blackish. Dr Potter however considers the Brown ones as the most powerful — And I coincide with him in Opinion

Dr Archers Formula was ℈j of the Pulv seeds & ℈ss of flour made into 10 pills. From the success with wh he used it he says that it is as powerful a Med: in the cure of Epilepsy as the Bark in the Cure of Intermittents. —

I have had much experience of the extract

of Stramonium, in Mania, Epilepsy, & Epileptic Mania, & I declare to you it is very proper in those cases – there is no risque of injuring the Constitution – I do not say that it is always useful; but I say that it has effected a cure in some cases where other remedies failed – I cannot however think it as valuable as Dr Archer does. –

Dr Cooper mentions a young man who was affected with Epilepsy in whom he used Stramonium with much advantage – He was afterwards a patient of mine but I did not think it a case adapted to the Stramonium – the pupils of his eyes were much dilated. – Afterwards however I gave it to him, on the 5 of July he took 1 gr of Stramon: extract a day – & gradually increasing till the 3d Septr when he was discharged cured – he then took 10 grs 3 times a day

In another case in '99 it increased the dilatation of the Pupils wh I think an indication of the inflammatory state of the brain. — In a black woman who had laboured under Epilepsy for 3 years, & in whom it was preceded by Aura Epileptica, Stramon: effected a complete cure. This case was often relieved by a ligature round the knee

In many cases of Epilepsy, Bleed^g — Purging, & low diet are often the proper remedies — The same observations wh applies to opium are also applicable to Stramon: They are often the best, & often the most prejudicial used: In all those cases connected with a Plethoric state of the System, & turgescence of the bloodvessels of the Brain, Stramon: (like opium) is improper not only because it is Stimulating, but because it more readily induces particular affections of the head. These cases are properly

treated by the Antiphlogistic plan, at least until the Phlogistic or Inflammatory Diathesis is conquered, & then it may be found requisite to exhibit Stimulants

Stramon: is one of the most powerful Anodynes. It is closely connected to Opium by natural arrangement & nearly allied to it in its effects. Altho' it frequently fails in curing Epilepsy, it often frequently succeeds I refer you to the Hospital Books of '99 & 1800.

In Mania also I have frequently used the extract of Stramon: with advtage in the Hospital.

Mary Hill about 35 yrs of age had been maniacal for about 3 yrs After using the extract for some time she broke out in boils all over her body, & within 3 Months was discharged perfectly cured. The History of her case is as follows. On the 23d July 1800 at night she was ordered gr ij On the 26th 3 gr and afterwards regularly increasing it 1 gr every night. On the 2d of August

she took 12 grs On the 16th 14 grs On the 20th 15 grs On the 23d 18 grs On the 3d Sept. Dj & a blister was applied to the head & remained that day. On the 4th Sept. the dose was increased to ℥ss the largest dose was 35 grs On the 2d Nov. she omitted the med: & was discharged cured; I was seen afterwards at the end of a year free from any symptom of the disease

In another case the dose was increased to 31 grs without producing any inconvenience, except a dilatation of the pupil of the left eye, & a palsy of the Palpebra of the same side which was relieved by a Blister — & the patient was finally discharged perfectly cured. —

In the Mania succeeding the use of Acid Sol. I have often used the extract of stramon: with great advantage — the seeds have likewise been employed —

Berjius found it of equal efficacy in the cure of Delirium accompanied with con=

tinual grief. Opium has also been used with advantage in this disease. —

Stramonium has been usefully employed as a Diuretic. —

It has been proposed to employ our med: in Hydrophobia by a Physician of this City who says he wd begin with a dose of 2 gr but in this disease I wd not think of giving less than 4 or 6 gr I know not what wd be the effect of such doses. —

In Hydrocephalus Internus, a correspondent informed me he cured one case by it. —

Spasmodic Asthma Have employed the fumes fm leaves in Asthma, & with great advantage

Dropsies As our article is Diuretic, it is natural to suppose it has been employed in Dropsies, & accordingly we hear of its effecting cures wn wd not yield to other remedies. — Dr Baldwin gives one case of

× Hepatic

abdominal Dropsy in wh he used it with advantage. —

External Use. —

Dr Chalmers advises the bruised seeds to be boiled in milk & applied to the feet in Gout of those parts — I w^d not however follow this practice, since it is an established Axiom, that all applications whether sedative or Stimulant in the inflammation of gout are improper — And altho' it might remove the pain, it merely shifts the disease to some internal part. —

An Ointment made by stewing the leaves in Hogs lard is often used in Burns; it is a common practice among private families. —

It is also used in Itching & Cutaneous affections of the Skin, & generally cures the disease — But it has produced bad effects, & colicky pains. —— A young Lady

insisted on using the Stramonium in a case of this Itching against the Opinion of myself & Dr Physic, & the next day was found dead. —

When the Stramon: Ointment is applied to an excoriated Surface it produces violent effects — In the case of a young woman who had a Blister dressed with this Ointment & applied to her Breast, it produced Bleeding stupor, Delirium &c; on this acct I think it must be prejudicial in Burns. —

In order to prepare the extract, we collect the full grown leaves, & put them into a flannel, bruise them, & squeeze out the juice into a wide shallow vessel — this is exposed to the air till it is evaporated to the consistence of an extract — taking care to exclude the flies. Dose to an Adult 1 gr — in 3 days 2 or 3 grs may be given

This Med: often produces alarming Symptoms, but this ought not alarm a young Phy-

sician, as such symptoms are often beneficial. —

Datura. —

This is found in India, & Mr — says it is employed by the Natives of that Country to make a poison — Its effects are said to be the same as Bang, a substance produced from Hemp. It produces a transport of mind & it is said that any thing may be done to a person who has taken it. Thieves give it to those whom they wish to rob: & other uses are made of it. —

Solanum. Night shade. —

The Solanum Niger has been employed in practice by some Physicians — It was much used by — — he used it in old Ulcers, in leaves — in 5 gr. I have not used it, but it is a sudorific

The Solanum Dulcamara

has likewise been used, & is common in the U States, altho' it is not a native. It has not been much employed by many of our Physicians; but I learn it has been used by many very respectable French Physicians in old Syphilitic complaints. — It has been known to Salivate

Atropa Belladona or Deadly Night Shade. —

This is a Perennial Plant, a native of Europe, growing in Switzerland & Italy; but is not found in America. It is by far the most powerful of the Narcotics, & more stimulant that Opium. Its active parts reside in the roots, leaves & berries. The berries are sweet, & look like cherries; & are often eaten by children thro' mistake — In half an hour after they have eaten them, they

are inebriated, delirious, experiencing distressing thirst, furor, gnashing of the teeth convulsions, swollen Fauces, inclination to vomit, the pupils becomes dilated, & the jaws locked by spasm. — It diminishes the sensibility of the Stomach so much that 14 gr. of the best Tart: Emet wd not make a child vomit. — The most effectual way of saving the Patient is by large doses of Emetics — We shd therefore give about 20 grs of White Vitriol, wh is perhaps more effectual than any other. —

In Adults not accustomed to it use, the root produces dryness of the mouth & fauces difficulty of discharging urine, difficulty of deglutition, an impaired articulation a full & quick pulse, with congestion of blood in the Brain, — those who are accustomed to its use are not liable to all these symptoms, nor yet so violent

Infants after taking a dose in propor=

tion to their Strength, experience no inconvenience except a little redness of the fauces - But those who take it in larger quantities, & more than their Strength can bear experience more redness of the Fauces, & uncommon loquacity, after wh- they fall into a profound sleep, with perspiration, & when they awake they are freed from all these symptoms.

An Adult who drank wine impregnated with it, freely, was affected with universal gangrene & death

The External application of the diluted extract produces a dilatation of the Pupils of the eyes. From this effect it has been employed when extracting the Cataract. It dilates the Pupil it is said, & brings the Crystalline lens into view - a few drops of the watery infusion is used for this purpose It has also been internally taken for the same purpose. ———

Diseases in wh Belladona is employed. — Dr Greeding gave the Belladona in Epilepsy - but he never performed a single cure — indeed, he probably did some injury, especially where there was a turgescence of the vessels of the Brain — He tells us however that he did some good. He used the extract mixed with the powdered leaves beginning with 1/2 gr & increasing it up to 4 & even 10 grs. —

Greeding in giving it to Epileptic Patients observed its Diuretic Effects - & Faden Surgeon to the Prussian army, advises it in Dropsy occurring after Quartan Agues. —

Tussis Convulsiva. Dr — a Danish Physician speaks highly of it as a remedy in this disease — He says if a patient began the use of it directly after the onset of the disease, it finished its course in a few days - But if it was not resorted to for some time after the attack of the disease, it was necessary to

persist in its use much longer

Cancerous Affections! Dr _ used it externally to a Cancer of the Breast & effected a cure. Cullen says that he cured a Cancerous lip by this Med: - It also dissipated a tumour of the Breast. He also exhibited it for a Cancer on the Eyelid, & it was of service while it was continued, but upon omitting it the tumour increased. _____

Nicotiana or Tobacco.

From Nicotius who first introduced it into Paris. Tobacco appears to be peculiar to the new world. It was found only in a state of Culteration; & was esteemed by the Indians as a Sacred Plant.

The Natives dried & smoked it; & used it in sacrifices thinking it grateful to the Gods. The first that was seen in England was taken there by a Mr Lane & Sir Walter Ra-

high brot it into such general use, that the Ladies of the Court smoked it. — A certain Author remarks that it is uncertain whether Queen Elizabeth used it, but that she certainly countenanced the Practice. — James 1st detested it — but I suspect his Aversion to it proceeded in a great measure from Jealousy of Sir Walter Raleigh. — His remarks were as follows

He says that it is the living image & Pattern of Hell, for that it had
of the world by wch Hell might be gained —
1o. It 1st It was smoke so are all the varieties of this world

2d It delightetth all who taste it, so do all the pleasures of this world

3d It maketh men Drunk & light in the head, so do all the varieties of this world when we are delighted therewith

4 He who taketh Tobacco sayeth he cannot leave it — & Further it is like

Hell in its substance; it is a stinking loathsome thing, & so is Hell — &

Lastly, the Thing says was he to invite the Devil to dine, he wd have but 3 dishes 1st a Pig — 2d & Mustard — & 3d a Pipe of Tobacco —

Tobacco has been used as a Med: in Epilepsy. Dr — informs us that he saw a Patient cured of Epilepsy by an injection of the decoction thrown up the rectum. —

Tetanus. — Dr Mray of Boston in his Inaugural Dissertation on the use of Tobacco in Tetanus 1810 relates a case in wch it was evidently useful — I have no doubt it may be useful

From the Analogy of this disease with Hydrophobia, I have prescribed it in the latter & the injection made some impression on the disease — all the water he could take was after the use of the Tobacco

In Incarcerated Hernia, either the Smoke or infusion injected sometimes allows of the reduction by the Taxis — This was used by Van Swieten. It is necessary for the power wh it exerts on the System to be very nice in the quantity Dose from ℈j to ℥j

It has been used in cases of suspended animation from Drown.g Hang.g & the fumes of Charcoal — It is however now pretty much neglected, & in my opinion it is a very doubtful remedy

I have now done with the Solanum & come next to speak of the

Umbellifera

Conium Maculatum, or Spotted Hemlock

This is one of the umbilliferous plants It is a native of all parts of Europe, but I am doubtful whether or not it is an in

indigenous of America, however we frequently meet with it about barns & dung-hills, growing in what the Chymists call Nitrous soil -- Some very eminent Physicians, both in this Country & in Europe, have collected & used plants of a very different quality, mistaking them for the Hemlock. An English Author says that in Birmingham, an extract has been made from the Cow parsley mistaking it for the hemlock -- It has large spotted Stalks & fine green leaves -- It may be distinguished from the other umbelliferous plants by its large & spotted Stalks, the dark shiny green colour of its lower leaves, & its disagreeable odour especially when bruised

Dr -- in his dissertation says that if the expressed juice be evaporated, it affords crystals of the nitrate of Potash --

The Hemlock is poisonous to the greater number of Animals who eat it -- But the

goat eats this as well as Stramon: Tobacco, & other Narcotic substances with impunity. The expressed juice was used among the Ancients to destroy life. It was used in Greece to kill Criminals; & was employed to bring on the death of Socrates.

Dr Cullen calls the Hemlock a Sedative. Dr Darwin has placed it among his class of Excitantia, but seems to be doubtful whether the arrangmt was proper or not, for its being weaker than Opium Stramon: & some other Stimulants. I have no doubt of its being weaker, but it certainly deserves to be classed among the Stimulants. It has the effect of increasing the action of the Arterial system, producing tightness of the breast, Cardialgia, Nausea, Vomiting, Singultus, Aphonia, Stupor, Delirium, madness, Convulsions, Salivation, Blindness, a large flow of urine & loose Stools.

Upon dissection of Animals that have died from eating it, it appears that the Intestines are inflamed. — It has produced Salivation — Bush says that it will salivate as soon as Merc.y

In 1760 Stork cured a number of Cancerous affections with it, he began the treatment in doses of 1 or 2 grs a day & increased it to ℥j in 24 hours

Mr Bushin speaks of its Salivating he used it in Cancer & Old ulcers. I have proved its salivating effects in one case of Cancer Uteri — Hamden cured a Cancer of the Maxilla with it —

Bergius & other Swedish Physicians say that it is rather injurious in genuine Cancer, but one of the most successful med. in Scrophulous Cancer, & in the cure of Venl Ulcers.

Dr Adams in his observations on morbid poisons, remarks altho it is uncertain

it is a highly important Med: especially if the sore be attended with great irritability of the System. –

Of late it has been often employed in England in the form of a bath; the follow^g is the method of preparing the bath: –

℞ Of the seeds of Hemlock – ℔ ss
Of leaves one handful
Water 8 gallons. Tie up the seeds & leaves & boil them in the water in a Copper Vessel until it is reduced to 5 gallons. – then add several gallons of cold water & immerse the patient for some time.

Dr Hamilton cured a cancer of the scrotum by this bath; the first bathing relieved the pain, the 2d changed the discharge fm a sanies to a Purulent; & in one month the Patient was completely cured. When the Cancer is situated in parts to wh the bath cannot be applied, he made use of a Syringe with a flexible tube thro wh he passed a decoction

, as in the Vagina, Rectum, Uterus. &c

There are some kinds of Ulcers whether Cancerous or not, in wh Physicians have found Hemlock in some form or other one of the most beneficial remedies, particularly, Mr Home thinks, to a certain Species of ulcer of the Ankle joint, when the joint is enlarged, that a fomentation, or poultice, by boiling the fresh leaves is the best application.

I know but little of it from experience, I used the decoction in a cancerous affection of the Scrotum as an injection; the patient also used it internally, it acted as a palliative, & the patient received considerable relief, tho' he ultimately died. —

Whatever may be the effect of Hemlock in genuine Cancer, there are a variety of Ulcers in wh it has been used with advantage. — Opinion, tho' it has been acknowledged by all to be an excellent Med: in Scrophulous Cancers, Bush & many others gives the preference to

Hemlock. A scrofulous ulcer on the face was benefitted by exhibitting internally 2 gr. 3 or 4 times a day, by Dr Kuhn. —

I have used Hemlock with advantage in 2 or 3 cases – the first was in 1791, my patient had a number of ulcers on his arm; he began with small doses, & continued its use until he took 40 or 50 gr. a day, & was ultimately cured. —

Hemlock often produces a desquamation of the Skin when taken internally, the same effects have been produced by Opium. —

Dr Kuhn has used the extract in large quantities in genuine Lepra in the P. Hospital, & its good effects were so evident, that I thd not hesitate to use it – the patient took it by handfulls. This is not a solitary instance, for other persons mentions its good effects in Leprous affections – Mr Kalton of Amsterdam has found it an effectual remedy in Elephantiasis, wh is a species of Lepra.

Dr Jno Fothergill mentions a case of a very painful affection of the face, Tic Doloreux, in wh it was very useful. —

Syphilis. It has been recommended by Mr Hunter in genuine Syphilis; & B: Bell speaks highly of it in those cases wh succeed Buboes, & wh are difficult to heal, especially if the Patient is much emaciated. Mr Bell says he has found it useful when all other Med: failed. The recent expressed juice was taken internally; & an ointmt, or Cataplasms was made & applied to the ulcers.

Dr Butler in his observations on Gonorrhœa virulenta, says that many cases were cured, by the inspissated juice taken internally to the extent of 10 grs the dose. — I can say nothing of its mode of operating when given in this disease from my own experience. —

Rheumatism

Dr Wathering says he has found it particularly useful in Chronic Rheuma-

tism. I have also witnessed its efficacy in this Complaint, it soothes the pain, & is much less dangerous than Opium. —

In Gangrene Senilis, it is said to be useful. Van Swieten was attacked by it, & was much benefitted by the use of Hemlock I think it may be of service

In Tussis Convulsiva hemlock has done much good in the hands of some Physicians Dr Butler speaks highly of its beneficial effects in this disease — He gave it in a watery vehicle, in doses of 1/2 gr. a day to a child of 6 mos. old — from that to 2 yrs. 1 gr. & to those of 20 or upwards 10 grs.

Different preparations of Hemlock are employed in practice, generally the extract, but it is often prepared in such a slovenly manner that it frequently proves inert. The powdered leaves are the best form. — I may here remark that raising & preparing the Digitalis & Hemlock, has the same

+ the book 20 g. wt

effect upon the efficacy of both these plants.
The leaves of Hemlock shd be gathered about the end of June or beginning of July when the plant is in flower - the small green leaves & flowers shd be picked out and thrown away - the large leaves shd be kept in bags & drawers, & kept out of the sun - After having been for some time accustomed to its use, 15 or 20 grs may be taken twice a day. -

Different parcels of this powder produce different effects, from the slovenly manner in wch it is prepared; it shd therefore be always done with the utmost caution - Dr Cullen mentions a case of a Lady who was taking it for a Cancer, & in one parcel of the powder went by degrees to the dose of ℥j. but being obliged to resort to another parcel, it had nearly killed her. The same powder in doses of 5 or 6 grs only, caused tremors, giddiness, delirium & convulsions while 60 grs

of the former parcel, produced no sensible effects. I hold it therefore, says he, as a rule that when Hemlock either in powder or extract has no sensible effects when taken in the dose of 20 grs it may be supposed to be imperfect & another parcel shd. be employed.

Section 2d. Sub-Narcotica

By this term I mean such stimulating Med: wch altho' they do exert a Narcotic power, it is in a less degree than those of wch I have just treated; it is so mixed as not to be a distinguishing one.

Pomacea

Laura Cerasus, Bay or Cherry Laurel

This is a species of Plumb or Cherry, the Prunus Laurus Cerasus of Linnaeus. It is not the common laurel of this Country, they are different in their appearance & their

properties. – It is not a native of the U. States
Dr Cullen thinks it a Sedative of the most powerful kind & accordingly he has placed it among his Sedantia immediately after Stramonium

Dr Darwin has placed it among his hecatantia. I have had no experience of it myself, but from what I have read, it is undoubtedly a Stimulus – It is known to produce Tetanus & Convulsions, & these are proofs of its Stimulating effects

Cullen remarks that the Cherry laurel acts on the Nervous System different from Opium – In common the effects of Opium is to induce sleep, but this is not the case with Laurel – Here the Dr – as in all other cases, has neglected the primary effects of Opium, & I rather suppose their operations are similar for the Commencement. – He says that it destroys the mobility of the Nervous System – He says & I believe that it is the case that no inflammation is to be found

in the Stomach of those Animals that have been destroyed by it – their lungs & veins are distended with blood. –

It has not been much used in practice tho' fr its being so powerful a poison it wd afford a useful med: but one wh must be used with the utmost Caution. It's used to destroy life in Europe. –

Dr – in England says he used it with advantage in Intermittent Fever, but unfortunately he has said nothing of the dose.

Dr Darwin pulverized the leaves & made them into Pills containing 1 gr he gave one of these every morning to a Lady with Hysteria with advantage

Its most active powers reside in the most volatile parts, & they are therefore carried off by Distillation. – When distilled in Water it gives out an essential Oil wh is used in Custards in France.

Gum Camphora, or

Camphor. I have no hesitation in placing this among the Stimulants, tho' I leave Cullens arrangement. - It must be confessed that the Stimulating effects of Camphor are not so great as some of Cullens Sedantia, neither is it so great as Datura, Belladona, or Hyosciamus, especially in small doses. —

It is not much used in this Country, therefore our Physicians have not made up their minds with respect to its operation

Camphor may be obtained from many vegetables, the Sassafras & Spicewood - And the Oil of Sassafras is nearly allied to Camphor, I have used it for the same purpose. — It is also obtained in small quantities from the Sage, Rosemary, Thyme, Starwort &c but it is principally produced from the Laura Camphora This tree is a Native of the East Indies & the Cape of good hope, it grows in ~~the island of~~ Japan, Ceylon &c, & grows to such a size that two men

can scarce reach round it

The Inhabitants fall the trees & cut them into pieces 5 or 6 feet in length & split them into rails, when the Camphor is discovered in the interstices or longitudinal furrows It is then scraped off in a pure State, with an instrument formed for the purpose. — This is called the head Camphor

The 2d is scraped off containing a considerable quantity of the wood — this is called the Belly Camphor. —

The 3d Species is still more impure & is called the Foot Camphor. —

The Head Camphor, in its perfect native state, is of the consistence of Chalk, & is reduced to powder between the fingers & thumbs. The taste is Cold & Aromatic; it suppresses Nausea; In distillation it yields almost its whole weight of Oil

The Belly Camphor or Common Camphor of the Shops, sometimes produces Nausea, & has

an acid, bitter taste – It comes to the U States in white Solid Wafers, is tenaceous between the teeth, & of an Aromatic taste producing Cold in the mouth. – It is so light that it floats on the surface of the water: & if exposed to a moist atmosphere it is dissipated in the form of vapour considerably; & greatly in a dry air. – When inclosed in a bottle hermetically sealed, it does not lose any of its weight

It is not entirely dissolved in water, but from the taste wh it imparts to that fluid it must be partially soluble – It is very readily dissolved in twice its weight of Rectified Spt Wine; but if water is added to that solution the Camphor is precipitated. By long trituration it combines with G: Arabic. It is soluble in the Mineral Acids – Nitric & Muriatic Acids – By distilling it with Nitric acid, we obtain the Acid of Camphor. Distilled with Clay it affords a beautiful

yellow Oil. —

Camphor has properties similar to those of some of the Gums & Resins, but in others it differs essentially from them. — Le Grange says that Camphor is Volatile Oil rendered Concrete by Carbon. —

One of the most beautiful ways of using Camphor in practice is by rubbing it down with G: arab: & Myrrh in the follow^g manner. —

℞ Gum Camphor — ℥j
G arabic — ℥ij
G Myrrh — grs 25 or 30
Sacch: Alb: — ℥ij
Aqua Font: — ℥vj or viij

Of its effects on Animals. & first On Insects. A piece of Camph: was placed near a hole where ants were observed to frequent; a number of these were found destroyed before they could return; & others as soon as they came within smell of

it, ran about as if they were distracted. It has a similar effect upon flies, Musquetoes, & Wasps. It destroyed every insect wch I subjected to it except the moth. The symptoms were generally languor, dulness, Stupor, Torpor, Convulsions & Death. They are more readily destroyed in summer than in winter by the vapours of Camphor.

From the experiments of Caminati we learn that the vapours have much such an effect upon Frogs; tho' these experiments are by no means conclusive of the effects wch these vapours wd produce on Man, because Sugar wch is nutritious to man & other Animals, has been found very deleterious to Frogs.

I come in the next place to mention its effects upon Animals nearer allied to man in their internal Mecanism — I mean Birds &c.

On Pidgeons, Quails & Rabbits Camphor produces violent effects, as Stentorous Brea=

Vomiting, Singultus, Epilepsy, Vomiting Purg.g & sometimes it even killed. —

Carminati made many experiments to ascertain its effects upon Dogs, Sheep &c These were various, neither were they always the same upon the same Animal — In some it produced a mild intoxication; others it rendered furious Zij rendered a dog so furious that he had to be killed — Some were made dull & heavy — Some were made to evacuate in different ways, as vomiting Purging, discharging Saliva, Urine &c It was observed to destroy birds very easy, while a much greater quantity is requisite to destroy Sheep. Dogs &c —

Zij produced all the Symptoms of Hydrophobia in a Dog — This is an interesting fact —

Dissections of Animals killed by Camphor exhibit the follow.g appearances. —

Stomach inflamed, a preternatural quantity of mucus in the Trachea — Membranes

+ that it acts on the brain & nerves

of the Brain Heart & Lungs inflamed An effusion of Bile into the Intestines Stomach Duodenum — From these experiments we see the similarity between Camphor & Opium. Two ℥ of Camphor injected up the Rectum of Rabbits produced the same effects as when taken internally. Do not these effects proclaim Camph: to be a Stimulant?

Dr Cullen placed Camphor among his Sedantia, & he thot it destroyed Animals by its Sedative effects — this is owing to his overlooking its primary effects —

From the experiments wh I have recited, it wd appear that the active powers of Camph: reside in its Volatile parts — as pieces of it have been vomitted up nearly of the same size in wh they were taken, after acting violently; & pieces of Camphor have been found in the Stomach after death undissolved. I am however of opinion that a portion of it is absorbed into the Circulation

n ~~of~~ taste

& Dr Cullen & Mr Azone tell us that the smell of Camphor was perceptible in the perspiration & urine of those who took it. — We have further evidence of this from the experiments of Monro upon Frogs — he applied a piece of Camphor to the hind leg, after remaining some time, he opened the abdomen & the smell of Camphor was perceptible — He applied Spts Vin to it, & it received an evident taste of Camphor

Camphor inflames the Stomach, & after some time this inflammatn is propogated to other parts — Cannariati was of opinion that it acted by destroying the irritability of the System — Monro found that it rendered the part to wch it was applied insensible.

On Vegetables — My experimts in 1796 establish, or go to establish, Physiology in the Vegetable Kingdom. The experiments wch I made on Camphor, Nitre, & Iron, shew

1 That the action of stimuli is undoubtedly the same on vegetables as on Animals —

2d That Animals & vegetables are governed by the same laws, or that life is the same in both. —

3d That stimulants do not act exclusively on the nervous system. See Transactions of the Philosophical Society. —

On the Human Body. —

Dr Whytt relates the case of a man who took ℥j. of Camph: in a small portion of sweet oil — He was taken with a burning of the stomach, congestion of the head, dimness of sight, & an increase of the fullness & frequency of the Pulse — It sometimes decreases the heat of the body. —

Dr Alexander of England found ℥j to ~~in~~ ~~crease~~ decrease his pulse, from 66 to 65. It diminished the heat of his stomach — On drinking warm water he vomitted — but he continued for

some time to have Vertigo Tinnitus Aurium &c. —

In Mr Collisons experiments upon the use of Camph: in Putrid Bilious Fever — Giving 3 or 4 hours produced paleness, depression, increase of the pulse, difficult respiration, tremors, stupor, dulness of vision & sometimes rigors & convulsions — these lasted only for ½ an hour, & the Patient resumed its former situation

It was formerly thought Camphor was of a Cold nature — Hoffman in 1714 endeavoured to prove it, he says it induced a Coldness about the Precordia, & he says that even in Spt-Wine it does not increase the pulse. — Drales also entertained the same opinion, but he says that in certain circumstances it produces heating effects He applied Camph in oil to his abdomen in Cholera, & it produced great heat.

5

Cullen thot it a Sedative - He says he has given it in doses of 20 gr. + even 30 without increasing the pulse, & sometimes it manifestly diminished it & so Cullen

He did not however see his patient until ½ an hour after he had taken the med:

The experiments of Duaim are much more satisfactory - In all cases he found it to raise the pulse, red face, inflamed eyes, Convulsions &c —

Dr Monro appears also to have had a just idea of the effects of Camphor -

Several years ago I attended a Gent: who had been accustomed to take about a teaspoonful of Camphor at a time. Of the mixture he took at once ℥j it threw him into a Delirium & his eyes became inflamed. Sometimes it produces eruptions on the skin - & mortal Phrenzy

Dr Quincy entertained a just Idea of it he says it is a Stimulant. —

Dr Wright says, that like wine & Brandy, it is of a hot nature increasing the Pulse &c but by moderating certain disorders it may prove Cooling to the System – he does not think it so heating as some do –

Upon the whole, from what I have seen & read, I have no doubt but it is a very Cordial & stimulating Med: . With respect to its mode of Operating, it is difficult to determine – I shall now proceed to speak of

Its use in Diseases. –

From the nature of Camph: as a Cordial & Incitant, I am surprized at its having been so little used in Intermittents I think it wd be found highly useful, given before the expected Paroxysm, particularly in the low form of nervous Intermittents wn have an early tendency to run into Typhus, in doses of 8, 10, 15 or 20 grs must be beneficial

Tho' however it has not much been used

+ a powerful

alone, the febrifuge powers of the Bark is much increased by combining it with Camphor, in the proportion of ℈j of Camph to ℥j of Bark

Cullen says he has often used it with advantage in Nervous Fevers

Typhus – It has been found an excellent med: in Typhus fever accompanied with delirium & watchfulness Dr Cullen used it with great advantage. –

Pringle has proved Camph: to be antiseptic out of the body, he says 2 grs of it will preserve of meat from putrifaction better than ℥j of sea salt – Our med: as we may suppose, been exhibited in putrid fevers with advantage

It is an excellent med: in the Jail & Hospital Fevers, but it shd be restricted to the 2d & 3d stage accordg to Pringle, a proof that he considered it a stimulant. – Dr Huxham also speaks highly of it in this disease, it

promotes pleasant Diaphoresis, & brings on easy sleep when Opium has failed. —

Quarin says it is injurious in the inflamatory stage of Typhus. It is only to be used when the system is prostrated. — Many other writers advise it combined with Bark — & Many use it combined with Snake root with some effect in those cases. —

Dr Collen a Physician of Vienna prefers it to all substances in Gangrene. He says also that it is improper when the blood shews an inflammatory disposition

In Gangrena Sicca, or of the dry kind he gave a large dose internally, & at the same time a solution of it in G Arab. applied externally with a feather to the Gangrenous part. —

In Gangrena Humida he covered the part with a thick stratum of Camphor well powdered. — When the gangrene is situated within the rectum, it should then be

used as an injection. — Dr Collin does not advise it when there is a full hard pulse he seems to attribute its effects to its antiseptic qualities — I think however it is owing to its cordial & stimulating qualities. It is peculiarly calculated for the cure of those Gangrenes wh form in the decline of Typhus. It is proper just in those stages in wh Opium is. The success wh attends the application of Poultices of Sassafras among our Country Practitioners depends probably on the quantity of Camphor wh it contains. —

In Obstinate Ulcers of the lower extremities, Colin tells us Camph is beneficial. —

In Confluent S: Pox it has been much praised. Rosenstine says anoint the Skin with Matter & Pomatum, & mix Camphor with it, it has no effect, but when the Camphor is omitted it produces decided effects — Hence says he it is proper to defend particular parts, such as the eyes &c by a solution

of Camphor; & that it will also prevent the pitting. —

Dr Jenner observes that the fumes of Sulphur will obviate the effects of the vaccine matter. — I innoculated 2 persons with good varioles matter, & fuelling Sulphur in the room, I suspected there was some cutaneous affection, & on inquiry found it to be so, wh prevented the matter fm taking effect — so it was with Jenner — but I ascribed my want of success to the presence of another disease. —

In Malignt S: Pox — Haller first used Camph: here — he gave about 20 gr Pr diem of an emulsion — even in bleed — that occurred — he thot it occurred fm a dissolved state of the Blood. —

In Chronic Cough preceding Measles, Hufland found it highly beneficial. — I find that the putrid Measles, as they have been called, do not exist. —

Camphor has been employed in both general & local inflammatory diseases — Dr Hoffman & Oberkoff have used it successfully. — We are told that V.S. diluting drinks & Purges are the remedies generally used in inflammatory diseases; & in such Camphor can only be used with safety in combination with Nitre wh promotes a determination to the skin — It has been used in Pneumonia in this way. — I give this med: during the Intermissions. —

In Puerperal Fever — says he gave Camph: with advantage in large & repeated doses. In its commencement — this, in disease of great inflammatory Excitement in wh plentiful V.S. is found to be successful — & here I shd think Camph: improper. But sometimes in its commencement it is of a Typhus nature, & here Camph: Vol: Alk: & are to be depended on. —

Camphor has been used in inflamma-

tory diseases of the heart - It is strongly recommended by Dr --- beginning with ½ gr. at a dose, but always in Combination with Nitre

In Acute Rheumatism, Camph: has been employed, not however alone, but in combination with Saline & Cooling Purges, & accompanied with V.S. also - in every stage Colin think it best in the Chronic species.

Cullen says he has no experience of its internal use, but the Oil of Camphor externally applied is of great use in relieving pain in the Joints & muscles - He mentions the case of a Gent: afflicted with Gouty pains, & who was advised to apply the Oil of Camphor - It translated the disease to the Ankle foot, & after being relieved about an hour it was applied to that when it removed the pain to its ancient seat - But another application of the Camph: oil translated it to the knee, & he did not use the remedy again

for fear of driving the disease to some of the Internal Organs —

Therefore I think that in Acute Rheumatism & Gout it is of little use, & even dangerous — Independant of what I have met with I cannot help thinking it injurious And I think much mischief has been done by the external application of Camphorated Liniments. —

A Negro Boy about 14 years of age was afflicted with Rheumatic pains of the arms & knees, One evening he bathed the parts affected with the Ointment of Camphor & the next morning was found dead! And there is every reason to believe, the disease was translated to the Stomach. —

A gent was affected with a pain and numbness, or Partial Palsy of the left arm — I used Camphorated Liniment & translated the disease to the other arm, to which when applied, the tongue was affected with Palsy; this however was cured, & in a similar case

I shd not have used — It sometimes causes a translation to the breast &c — I therefore think it unsafe to use Camphor when they affect the extremities, since it removes the disease to other parts of the body. This however is an important circumstance & may be taken advantage of when the Gout affects the head, stomach, or Breast; the application of Camphor may drive the disease to the extremities, or some parts of less importance

Mono & some others have recommended a solution of Camph: in hot water in Rheumatic Toothache. —

D Ferrier used a solution of Camph: externally in <u>Lumbago</u> with advantage, & in pains of the joints of 7 years standing. — And in a case wh threatened white swelling, the pain was always relieved by a spirituous solution rubbed on the part

<u>In Gonorrhea</u>. Hoffman & others speak

in high terms of an injection of a Solution of Camphor. But I have long since laid this practice aside, find^g it not to answer my expectations. —

In Chordee Mr Bell speaks highly of a liniment of Camph: & oil

In Bronchocele in the form of a Liniment it has been used with advantage — Goitre has been combatted by Camphor It is occasioned by the same Marsh Miasmata wh^ch produce Remittent & Intermittent Fever. ——

In Certain Spasmodic affections our med: has been used with Success. —

Epilepsy — Cullen speaks highly of it — he continues "I have never known it to cure, but it has prevented many expected fits, taken in large doses, in combination with Cupreum Ammon: White Vitriol, or the flowers of Zinc. I have had but little experience of this med: in this disease my-

× every 3 or 4 hours ×

self, but I cannot doubt the authority of those who recommend it – I think it may be useful, in Periodical Epilepsy given 2 or 3 hours before the expected fit. –

In Chorea St Viti. Dr Wilson relates the case of a Girl who began with 4 grs 3 times a day gradually increasing it until she took 18 grs 4 times a day. It ultimately cured her. Monro & other Authors mention cures by it.

In Tetanus, Camphor has not been much employed; yet we hear of its wonderful effects. –

In Convulsive Asthma, Camphor has been advised by Hoffman, in a fluid form, One or two teaspoonfuls of the Julep may be given as often as the fit returns

In Spasmodic Affections of the Oesophagus – Hoffman used it – He supposed it was a Sedative

In Painful Menstruation as an Anodyne Camph has been used, in the dose of 10 grs This practice is very common in England, & I

have used it myself

In Mania & Melancholia the exhibition of Camph: is an Ancient practice, & one that was used by Theophrastus & Paracelsus. — Cementus speaks of its effects in Mania fm Venl impulses; I doubt whether such a mania exists, & if it does, other remedies must be used than Camph: — In a case of Nymphomania, depletion, as by Ex- carried to the greatest extent, cured. — In the 25 Vol: Philosoph: Trans: there are 4 cases related of cures affected on Maniacs by Dr Henrier by Camph: since that it has been frequently employed with various success. — Dr Cullen mentions a case of a young man of 16 yrs of age, apparently of a sound constitution, who was bled, purged, vomited, Blistered &c without effect. — Camph was then resorted to — he took at first 5 grs 3 times a day, this was repeated every evenng & increased 2 grs till he took 60 grs

3 times a day. When the dose was 40 grs no evident effect was discovered, but when increased to ℥j his sleep was more easy, he was less loquacious, & was ultimately cured. I think it probable that the reason why Physicians have failed with Camph: is owing to their not giving it in sufficiently large doses. — What Cullen calls a moderate dose (℥ss.) is a large one in many cases of Mania. — I have seen ℈j of it thrown up the rectum produce disagreeable consequences. — Dr Berger appears to have been more successful than most other authors, & he advises to begin with small doses, but he increased it to large ones

I have often exhibited Camphor in Mania in the P. Hospital, with essential service, but not with the success I expected — In one case it did injury, & seemed to increase the inflammatory symptoms of the brain. — In one case of Mania Melan-

cholia accompanied with taciturnity it seemed to perform a perfect cure – It salivated my patient, he recovered, & afterwards died of the Y: Fever

I sh^d like well to know to what Mania our Med: is adapted. Of those cases w^h are related by Authors in w^h the remedy was found succ^ssful, some were young & plethoric Patients, but here it was not found useful without previous V.S. But in Melancholia Mania when the countenance is pallid, the pulse slow, torpid, here I think it is best adapted – Too little attention has been paid to the state of the pulse in Mania. –

In Fever^s Uterines it has been advised on a supposition of its allaying the Venr^l appetite. It depends on a Plethoric state of the system, & a peculiar sensibility of the Uterus &c

In Burns. It has been externally employed by some of the German Practitioners in burns, dissolved in Mucilage of G: Arabic

x ✝ Amen

those of you who think well of the Turpentine in these cases may easily suppose the Camph: useful. —

In Combination

Collen & L'azone says it moderates the acrimony of Drastic Purges as Gamboge &c

It has a remarkable effect on Opium. As in Ulcers, Opium alone is often prejudicial, combined with Camphor it is not — Dr Cullen takes notice of this. — It is said by L'azone to prevent troublesome dreams, subsultus tendinum, & has been said to diminish the Narcotic effects of Opium. I don't know that these acc^ts are true, from experience, but I take them from respectable Authors —

Camphor combined with Bark, increases its powers, & makes it more effectual in the cure of Intermittents — & I think this this combination very important in Low Nervous & Typhus fevers —

Combined with Merc^y it is said to moderate its Acrimony by abstracting an Acid, without diminishing their Stimulating quality

Lazone says it increases its effects. — It is highly extolled in Herpetic affections & in old Syphilitic diseases — It is said by some writers to diminish the effects of Merc: Ointmt — ℥j of Camph: to ℥j of Merc: Ointmt — & even to prevent its salivating. I am far from wishing to discover a med: wh will prevent the salivating effects of Merc^y — as I am of opinion that the Vene: disease can never be thoroughly eradicated from the system without exciting a Ptyalism. But I believe Camphor has no such effects. Dr Cullen says it has not. — I have combined Camph: with the Merc^l Ointmt in a great number of cases; & from my observations ℥j of Ung: Merc: to ℥j of Camph: will act more speedily than Merc: alone. In a Cancerous affection of the Scrotum wh came under my care, the ulcer was extensive & fast spreading, & discharged a sanies matter — Merc: Oint: Bark, & every thing I could think of was

applied without effect – I then combined the Merc: Ointmt with Camph: & in 3 days the patient was considerably relieved, & in 3 weeks was completely cured. –

Camph: has been used with great advantage in relieving distressing Symptoms from an over dose of Squills; & to moderate the effects of Cantharides taken internally. It is generally supposed to possess an Anti-Strangurian effect. Dr Heberden mentions 2 cases of Strangury cured by ℥j of Camphor – I never knew it to produce this effect tho' I have frequently used it – Cullen seems to doubt the effects mentioned by Heberden. Dr Huxham calls Camphor the grand Corrector of the action of Cantharides – Many Physicians formerly anointed the part with a Camphorated Solution before the application of blisters, to prevent Strangury – This practice is not now so common as formerly. It allays the pain

of difficult menstruation &c

Physicians are yet divided on this point, some suppose that it actually prevents strangury, others that it possesses no effect: & I am not yet satisfied. I put no faith in the Arabic emulsion of Dr Cullen, I place my principal dependance on the warm bath, & where this cannot be had, bottles or bladders of warm water applied to the region of the bladder & Pubes. — Opium may also be used with advantage; together with sinnapisms of Mustard to the wrists & Ankles — this is a Sovereign remedy, with such practice cures have been effected in 30 or 40 minutes. Dr Home tells us a strangury from Blisters was obviated by Camphorated Oil.

It has been used in <u>Retention of Urine</u> & if the follows is to be depended on, it is very useful — Mr Ladam an English Physicn says that he relieved two cases of retention, from Pregnancy by the external application of Camph: & in one case where the Catheter had been passed

67 times. —

Dr Wilsons Anti-Strangury is Uva Ursi given liberally in infusion — I have also used this with the greatest success. In a young lady from the W Indies, affected with an Hepatic disease, in whom blisters always produced strangury, coming on 2 or 3 hours before the blister was removed. I applied the Blister, used the Uva Ursi, & no strangury from the blister was produced — After preventing it twice, I omitted it the 3d time, & a strangury actually came on, which was then removed by the use of Uva Ursi. —

Morbus Pediculosis, in which tumours are dispersed over the skin containing insects. Sir Wm Wilmot used Turpentine & Camphor, which destroyed the Insects & relieved the Itching

Camphor may be given from 1, 2, 3, 4 or 5 — up to 20, 30, 40 or 60 grs one, two, or three times a day. In small doses it does but little good or harm; but in large doses it produces its

effects — There are various forms in wh. it may be given. In an uncombined state it does not sit easy on the Stomach — It is combined with Sugar, Gg Arabic, or something to make it agreeable. Tothergill says that the best form is with the mucilage of Gg Arabic. Huxham gave it in vinegar — It is sometimes given in Pills triturated with Sugar or Blanched almonds — or made into a Conserve. — The most agreeable form I have yet used is the following

℞ Gg Camph: ʒij
Gg Arab: ʒij or Mucil ℥ss
Aq Font: — ℥viij or x

a Tablespoonful of wh. may be given every 2 hours. —

The Diuretic & Diaphoretic property of Camph: is increased by combining it with Opium. D: — recommends the follow.g mode of exhibiting it

℞ Gg Camph: grs 15
Oil Cinnamon grs 3 Mt et F. a Boles

But I think the fluid form is preferable to any other – But it is sometimes necessary to give it in substance – & it may be easily pulverized by adding 1 or 2 drops Spt. Vin.

Dr Gilchrists Formula

℞ Camph – – grs 10 or 15
Opii – – gr ½ Mt et Fo
Bolus. –

In treating of Anthelmintics I shall give Camphor its proper place. –

Castor. –

This was formerly supposed to be obtained from the inguinal glands of the Beaver, but we now know that it is obtained from 4 small oval bags near the Anus – but the 2 upper anthors not furnish us with the Castor of the Shops. Its use to this Animal is unknown. The best Castor comes from Prussia in round hard balls – It has a strong & not disagreeable

smell, of a biting, bitter, nauseous taste. —

Its chemical composition is similar to that of Musk. It is a resinous, saline & gelatinous matter. Both furnish an essential Oil if exposed to heat.

Its medical qualities are not sufficiently known, sometimes it is esteemed too highly & at others too low. — Dr Cullen says it is a powerful Antispasmodic in substance & in large doses. he gave from 10 to 30 grs in Epilepsy. It has been much esteemed in Epilepsy & Convulsive affections by Van Swieten & D'Haen. Boerhaave proved it to be a Stimulant. —

It has been long celebrated as an Antispasmodic in Nervous diseases, & as an Anti Hysteric. — It has been given as a Cordial in all cases of debility. —

Castor is best given in substance, & in large doses. The tinct: to the extent of ℥j — & in substance it shd be given from 10 to 30 grs

& even ℥j. It is a narcotic Stimulant

The Tinct. of Castor is made by digestion for 10 days of Castor ℥ij in 2 pints of Proof Spirit. —

I have never used it but in 2 instances & the effects in them were not remarkable. It yields a Tinct. to water but not of such effect —

The Aqua Castoria had not any power but is said to be narcotic. Dr Cullen however doubts this. — I know but little of Castor from experience

Crocus or Saffron.

Of this also I can say but little from experience; but it is much recommended by many Practitioners. It is much used by the old women during the eruptive stages

of S Pox & Measles. They say it helps to drive them out. – This is the Female organs of Generation or Genitalia of the plant called Saffron – When Chemically examined it is found to be a peculiar substance. The proper Menstrua are Wine, Water & Vinegar wh extract its virtues completely. –

Donald Munro says that it exhilirates the Spirits, is Aromatic & Narcotic, & is proper where there is an irritation of the Nerves. – In Hysterical & Hypochondriacal affections he says it is beneficial – It is different he says fr Opium. –

Bergius says it rendered a Hysterical patient worse – he wd induce us to believe that it possesses strong powers, & this appears to be confirmed by different authors. – Cullen does not think very highly of it, he employed it in large doses, but found the saffron of the shops very imperfect. Saffron resembles Cam-

phor in its Operation, the tea made of it generally exhilirates the Patients who drink it. — It produces miliary eruptions on the skin like those produced by Opium. —

This finishes the class Subnarcotica.

Valerian. —

Valerian Officinalis, Sylvestris, . This is principally a Native of Europe, & is a perennial vegetable & grows in woods & marshes — But is not found in this Country. We have indeed a plant brot to our table, a species of Sallad from the State of Tennessee wh is a species of Valerian. —

It is certainly an Incitant, but I know of no Narcotic quality that it displays, & therefore I have not arranged it among the Subnarcotics — In its general properties it is allied to Musk — & It is one of Dr

" cats are extremely fond of it

bullers Antispasmodics – The root is the part employed in practice; the leaves may be eaten without any effect – It has a strong & to me agreeable smell; of a warm bitter sub acrid taste. –

Its effects on the pulse have not been sufficiently attended to – It is however a stimulant, tho' not a powerful one. –

It is a Diaphoretic of the most agreeable kind – a Diuretic, & in large doses it purges, & sometimes vomits. –

Some writers tell us that it debilitates the stomach, but this dont appear correct – Tissot says that when it is taken in large doses at first it is apt to produce Anxiety – I have given it in larger doses than Tissot but have never observed this effect.

Valerian is not a modern Medicine in Epilepsy it was used by the Ancients A celebrated Botanist Fabius Columbus cured himself of Epilepsy by it. – Its use in Epi=

lepsy I believe has been pretty general, in the 17th Century several cures were effected by it alone. It is more peculiarly adopted to Epilepsy arising from Menstrual obstructions Dr Cullen remarks that its Antispasmodic powers were pretty well established, & that it shd be exhibited in pretty large doses, in this way I have myself found it useful in Epilepsy - Hysteria &c

Quarin thinks the Patients are not sufficiently attended to, as to diet, or Valerian wd not so often fail

Uepfer informs us that he cured a case of Epilepsy by the continued use of Valerian alone. —

Lentilius speaks of it as a valuable med: in Obstructed Catamenia

Marchand also speaks of it with respect in Epilepsy, he gave it in doses of from 1 to Zij in powder; it acted as a Sudorific & Cathartic. — He generally gave it as

an Opening Med: in some it put off the fit, in others it effectually cured, who discharged large quantities of worms. –

Donald Monro, says, he has never cured Epilepsy with it, & that the 2 cases of Marchand depended on worms. –

Dr Haller speaks of the efficacy of the powder in Epileptica Hysteria & He cured one lady of Hysteria by the juice

Dr Rutherford thinks highly of it in Hysteria Epileptica, he considered it as one of the best med: that can be employed in such cases

I have frequently used it in Hysteric Epilepsy, & have found it effectual when all other remedies failed – Some Patients received no benefit from it; these however were of the most unpromising forms of Epilepsy. I used it in one case in wh it purged in the dose of ℥ss a day; in this case it is necessary to add a few drops of Laud: I used it in other cases with good effects,

& tho' it did not effectually cure, it protracted & put off the Paroxysms. –

I gave it to a boy of 10 yrs of age who had been afflicted with Epilepsy for some time, whom I had previously bled, purged &c – I had also given Calomel not with a view to salivate him, but it had that effect. After these had failed, I gave him the Valerian ℞ twice a day wh brot away large quantities of the round worm, & cured him. In two other cases I used it without any benefit –

In Chorea St. Viti. This disease often depends on worms, a cause wh I little suspected, & when this is the case, Valerian is one of the most valuable remedies. –

In Hemicrania. Dr Fordyce in his Dissertation on Hemicrania, recommends 1 or 2ij of the powder of Valerian 3 or 4 times a day, & to continue this for some time if the

× arthritic

Stomach will bear it - I think Fordyce's Recipe is the best - the worst case I ever saw was cured by it - Stanburgh & Carminato approved of our Med: in Hemicrania to the extent of ℥ij the dose - I have used it in this disease with decided advantage, some cases in wh Bark & Arsenic did no good, were cured by the Valerian. -

When Hemicrania returns periodically it is more effectually removed by Bark; or Bark & Valerian Combined

<u>In Dimness of Sight, Gutta Serena</u> &c it has been much Celebrated, to the extent of ℥ij ℣ day - by Richter - He think that Gutta Serena generally depended on an affection of the Stomach, & not upon an affection of the Optic Nerve - hence he paid his particular attention to the Stomach. But there are many cases wh depend upon an Organic affection of the Brain

It has been used with success in Putrid Fever

I suspect it was the Typhus. Dr Mead said he found it one of the most valuable Cordials, he thinks it equal to the Virginia Snake root. Experiments have proved it to be an Antiseptic.

Valerian is an excellent Med: in Habitual Costiveness: it often loosens the bowels when the most powerful Med: fail. —

It is highly recommended as an Anthelmintic - this is evident from its curing Epilepsy depending on worms. —

Of this Med: there are two Tinctures made - the first is made by digesting for 8 days with a gentle heat

℞ Of the Powdered Root ℥iv
Proof Spt Vin —— ℥32

The Tinct: Volatilis Valeriana is made by digesting Wild Valerian in powder ℥iv - in Camphorated Spt of Amonia — ℥32 — The first is a Stomachic & this form was preferred by Cullen - But the best way is to give it in powder - so it was used by Ruth-

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ufford, Fordyce &c —

Of the Conifera

To this natural order of Vegetables belong the different Species of Pine. — These afford various kinds of Turpentine but the purest is that wh is the product of the Larix & wh is improperly called Venice Turpentine. —

Turpentine in its entire state is an acrid Substance, & when applied to the skin will inflame it. Cullen thot it might be rendered a useful Rubifacient — It was formerly employed in the Emplastrum Volatile of the Edinburgh Dispensatory; the only objection to it was that it produced inconvenient pain. — It has been advised in recent Flesh Wounds, but it is evident that it

must be injurious, except where they do not take on the adhesive or Suppurative inflammat^n

The Spirits of Turpentine has been employed in Burns & Scalds - Mr Hentish first introduced this practice — Authors differ however about this practice, by some it is said to produce relief immediately if applied 72 hours after the accident, & that the pain never continues longer than 2 hours. — In a Lady who had Scalded both her arms severely, one of them was cured much sooner than the other by employing the Turpentine - & the pain was much sooner relieved - The other was bathed in cold water

Internal Use.

In giving the turpentine, it is generally necessary to combine it with some bland substance, as Sugar, or Honey, or the Yolk of

an egg, or in Pills in order to take off its acidness - But it always produces heat of the Stomach, & sometimes Nausea. It is a stimulus & when taken by the mouth in large doses it purges - If ℥ss or ℥j be triturated with the Yolk of an Egg & injected into the Rectum, it forms an excellent & certain purgative, & in colic it is most to be depended on. When taken up into the bloodvessels it is an universal Stimulus, & is said to give the urine a very pleasant violet odour It also corrects the Fetor of Asparagus & prevents it from communicating its odour to the urine of Persons who have eaten it. This fact was discovered by Dr Franklin. Boerhaave informs us that when turpentine is handled it discovers its odour in the urine in like manner. - This is a strong argument for its being taken up by the absorbents. -

It sometimes passes off by perspiration

& exhalation from the lungs, & on that acct it has been employed in Ulcers of the lungs; - but stimulating med: must, I think, be improper - See Fothergill on the abuse of Balsams in Phthisis. -

Stimulating injections of ℥ss of Oil of Turpentine & warm water until they produced Tenesmus, allayed the Vomiting in Yellow Fever

Its Diuretic effects perhaps was the cause of its being employed as an Antilithic med: but from its stimulating quality I think it must be injurious in Nephritis Calculosa.

The Gleet is one of those affections in wh Turpentine has been used with great advantage - There are few who have not experienced this. - Cullen used it; he says it acts by inducing some degree of inflammation in the Urethra; & even so far sometimes as to produce a suppression of Urine; & when these effects went off a Gleet wh had

sisted for some months was entirely cured — This may sometimes be the case, but I think it sometimes acts by stimulating the Urethra to a proper action — I give 20 or 30 gtts of the Spt. of Turpentine or Bals Copaiva 3 or 4 times a day. — Some have been in the habit of using the most powerful stimulants, but I think they are often improper & hurtful —

I have given it in substance in Piles in as large doses as the Stomach will bear. —

Fluor Albus is allied to gleet, & in wh the Turpentine has been beneficial Dr Cullen does not approve of it — because he says few female Stomachs can bear that quantity of the Med: wh might be necessary He says too that he never could find a med: to cure this disease, probably because he practised only among the rich, & those whose constitutions were worn out by dissipation

In Abdominal Dropsy. Dr Henderson relates a remarkable case of his success with Tur-

pentine pills - the patient had been accustomed to Ard^t Apt^s - & been repeatedly tapped It has sometimes been useful in Hydropic affections when externally applied

The virtues of Turpentine depend upon an essential Oil, the Oleum Terebinthinatum wh^ch is obtained by distillation with water. This inflames the skin & is a rubifacient, but not so powerful as the Turpentine itself. This rubbed on the spine an hour before the expected Paroxysm, has been known to prevent the Intermittent Fever. When taken into the stomach, it excites heat & uneasiness. Its not as laxative as the Turpentine itself

It is an unsafe Diuretic, producing strangury & bloody urine, & irritating the urinary Organs, causing excruciating pain in the back & loins, delirium, & in 50 days death has been the consequence; it having previously induced dropsy

In Sciatica Dr Home employed it with advantage - His formula was as follows

℞ Ol Terebinth ℥j
Honey ——— ℥j One ʒ to be taken Morning & evening — Out of 7 Rheumatic Patients 5 were cured & 2 relieved. It produced a sense of pain in the Stomach & increased the appetite. —

I gave it in Sciatica & effected a cure — But a patient of mine was cured of an obstinate Sciatica by gtt IV of Arsenic. —

In Hemorrhages of the Intestines it has been used, dissolved in the yolk of an egg, & taken in water. —

In Uterine Hemorrhages it has also been found useful; & in some Hemorrhages with pain & fever — It is not adapted to Passive hemorrhages, as we shd suppose fm its being a Stimulant — It sometimes produces Costiveness

When applied to the Lumbar Region, the oil of Turpentine is said to be a powerful Diuretic

The anthelmintic powers of Turpentine are well known, & it is supposed to be the

most powerful destroyer of worms given in the yolk of an egg to the extent of about ℥ß

Burgundy Pitch has been found useful in some cases of deafness. It is to be covered with a piece of gauze & introduced into the ear – It has been found useful in those cases of deafness depending on an insensibility of the parts. – It acts in the same way as Garlic does. –

1° By altering the secretion of the ear &

2° By giving tone to the nerves. —

I have generally increased my own hearing by the simple process of stopping my sound ear, & suffering impressions to be made for some time exclusively on the deaf one. I always found this to increase my hearing very much in the deaf ear.

Burgundy pitch plaister is particularly recommended in Tinea Capitis, or Scald Head. This is a disease of the roots of the

bulb of the hair, for wh various remedies have been advised. The plaister is to remain until it becomes implanted in the hair, & is then to be jerked off. This is certainly a harsh remedy, & there are many others wh answer equally well & are less painful.

Tar.

Tar is a kind of half burnt Turpentine wh is obtained from the trees wh contain the latter substance. It is somewhat empyreumatic. It differs also from turpentine in the juice of the tree being partially decomposed in extracting the Tar. The Chemists have not paid sufficient attention to it. It contains a certain saline matter, mentioned by Cullen wh turns out to be the Benzoic acid. The powers of Tar are supposed to be similar to those of Turpentine, but they are not so great.

Tar is one of those Med: we have every

reason to believe is taken into the course of the Circulation; & when taken into the Stomach imparts an odour to the urine

Corbon says, that handling it will communicate the violet smell to the urine. - The Saliva as well as the urine is impregnated with it. - It has been denied that it is taken up by the Lymphatics - It is however certain that when externally applied, or internally taken, it shews itself in the urine

External Application

Tar Ointment made of tar & mutton suet, is said, by Cullen to have been successfully employed in Lepra - I once saw a case in this City wh resembled Lepra, & wh resisted Mercury but was cured by Tar & mutton suet

Cullen says the external application of Tar Ointment - (made by mixing 5 parts of Tar to 2 of Rosin in certain Ulcerations is not

better than Ointments with a more moderate impregnation of the Turpentine, & he has found it heartfully irritating to Cancerous Sores. — Tar & Mutton suet is an excellent application in Ulcers. —

Tar has been used in Hydrothorax, & is employed as a Diuretic in Hydropic affections. — It has also been employed as an Anthelmintic particularly in dislodging the Tænia being triturated with the yolk of an egg. —

It is celebrated as a pectoral substance in Asthma & Old Coughs, & in this case it is mixed with the powder of Elecampane & made into Pills

The Negroes of Virginia & America are much afflicted with Sciatica & their dependance for relief is on the Tar pills. —

Tar water is made by mixing a quart of Tar to a Gallon of water — 60 or 80 years ago. this was used internally in many dis

cades, & was thot to be highly efficacious. Its Diuretic, Sudorific, & Laxative, & has been supposed to correct the Acrimony of the Bile. —

Tar accord.^g to Cullen, strengthens the tone of the Stomach, excites the appetite, promotes digestion, & cures all the symptoms of Dyspepsia — at the same time says he it manifestly promotes the secretions, particularly urine. —

In Scurvy — Lind found it useful in Scurvy — Here it was used with a view to its diuretic effect w.^h is certainly of great importance in the cure of Scurvy. —

We have now finished the true Coniferæ; & proceed next to those Stimulating Articles w.^h are nearly allied by their Vertues — tho' not by their Botanical Affinity. —

Balsam Copaiva. –

This is very similar to Turpentine: it is the produce of a tree called Copaiba, Copaiva or Copaifera – It is not one of the Coniferous trees. –

It has been recommended in Ulcers of the Kidneys, & in Nephritis by some writers while others firmly declare that it has done harm. From its stimulating power, it is evident that it is not adapted to diseases attended with inflammatory action. We find it much recommended in Ulcerations of the Lungs. Some writers tell us that in some cases of Phthisis it increased the Cough & Expectoration. – Dr Simmons gave the Balsam Copaiva or Balsam Peru either alone or conjoined, in the Suppurative Stage of Phthisis. –

In Gleet – Here it is a very general, & important remedy; & often indispensible

Like turpentine, it sits better on the Stomach when given in wine or on loaf sugar – It may be given to the extent of 10, 20, or 30 drops 2 or 3 times a day. In large doses it proves Laxative. –

In the W: Indies it is given internally by way of injection in Gonorrhoea. – I have not used it internally in recent Gonorrhoea's but in old cases where it is kept up independantly of Inflammat^n of the Urethra, I have found it highly beneficial Formula for an Injection

℞ Calomel gr^s IV to viij
Bals: Copaiv: gtt^s 30 to 50
℥ Arabic ℥ij or iij
Aq. Font: – ℥viij or x – M

These ought be rubbed down together, & a syringe full injected 4 or 5 times a day This is adapted to old Gonorrhoea's where there is a Scalding, no Priapism, & where there is a yellowish or greenish discharge Gu^m

the Urethra – but in recent cases injurious I have hinted at the laxative qualities of Bals: Copaiva, & here it is nearly allied to Turpentine

In Hemorrhoids it has been used with success – 20 or 30 drops 2 or 3 times a day, drop'd on loaf sugar – Here it acts by its laxative quality

In Colica Pictonum Sydenham thót it one of the most valuable Cathartics.

It has been used with good effect in Gout when the Patient could no longer use Guiacum. –

Balsam of Peru. –

This has a strong flavour, & is very acid, & is the most powerful Balsam that is employed in practice. It is the produce of a tree wch grows in Mexico & Brazil called Balsamum peruvianum. The true Balsam has a delicious smell, & is of a whitish colour

sending spontaneously from the tree. The Balsams wch we have in our shops, is procured by boiling the branches of the tree, a thick syrup is ~~then~~ obtained, of a blackish red colour, & acrid taste - By distillation with water it affords an Oil wch appears to be the Benzoic Acid

Van Swieten ascribes great efficacy to it in wounds of the Tendons & Nerves - Cullen does not entertain the same opinion of it

Sydenham speaks highly of it as a laxative in Colica Pictonum

Winthoff cured his daughter of the Consumption by it. In one case of Consumption of the kind wch Dr Sydenham cured by riding on Horseback, I effected a cure by a moderate diet, & the Balsam of Peru.

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+ known by the name of Lignum Vitæ

Gum Guiacum

This is a very important Article. The tree from which the Guiacum is obtained, is the Guiacum Officinalis of Linnaeus. It grows wild in the W. Indies, Hispaniola & So America. It attains the height & bulk of a large tree. The wood is very hard & compact; & as we all know, very heavy; its specific gravity being greater than that of water. The outer part is yellow, & the heart of a dark colour. It gives out no smell unless heated or rasped; & when chewed it leaves a mild acrimony & pungency in the mouth.

Soon after the discovery of America, it was used as a remedy in the Venereal disease, & 18 or 20 years afterwards, in the 16 Century, it was much celebrated; & it still maintains some reputation in Italy.

It is improperly called Gum Guiacum for it is a true Gum resin, & is brought to us in

large friable masses. The spirituous extract obtains more resin, & the watery more gum. The spt's tincture extract most of its virtues & is of a deep brown colour. –

Soon after the discovery of America, it was brot into Europe, & was considered as the only remedy for venl disease – This disease was once endemic in Europe, & the Gonorrhoea did not appear till 60 years afterwards. – Its reputation in venl disease is now much diminished, yet we find it still employed in France & England – & here also in some instances it is substituted for Mercury. –

Benj. Bell's testimony respecting its virtues is highly interesting. he said that it removed the venl blotches & ulcers on the skin, but did not effectually cure. – This was the principal form in wh the disease first appeared, & it is probable that the remedy was more effectual at that

+ Dr Darwin strongly recommends it, he used the Vol: Tinct:

℞ Gr Guiac ℥ij
Compound Spt Ammonia ℥ss

time than it is at present. It appears to me that the venr. disease was not only not introduced fm America to Europe, but that it was even unknown in the Old world. It is merely another form of Lepra. –

In Syphilis combined with Scrofulous, Gouty & Rheumatic affections, Guiacum has been much celebrated. –

Limmering used the follow.g Formula

℞ ℞. Guiac – – – ℥ij
New Rum – ℥xxiv – Let it stand in the sun for 2 or 3 days in a bottle nearly fill it fm time to time with Pestrum, & shake it – When it is dissolved, filter it & keep it in well stopped bottles. –

Dose a tablespoonful in the morning fasting. – x

Dr Dawson strongly recommends it be used the Vol. Tinct:

℞ Simple Tinct: Guiac – ℥iv
Compound Spr Ammon – ℥ij

Dawson gave larger doses of this than his Predecessors for he gave it to the extent of ℥ij generally the proper dose to begin with is about ℥j three times a day & increase it gradually. Dr Cullen thot it a dangerous med: in Gout, & very probably Dawson thot too highly of it — In one case it suspended the attacks for 2 years, & then produced Hydrothorax — Hydrothorax here was not the consequence of ℞ Guiac: for Nature herself often produces it. — The Gout in the W Indies is much milder than in Europe. —

My own experience in Gout & Rheumatism has been great, & in the latter complaint I have used the Watery Solution with decided advantage, & never to the injury of my Patient

The following is the Formula of Bergius

℞ ℞ Guiac - ℥iv } intimately rubbed
℞ Arab: - ℥ij } together

Sugar — ℥iv

Aq Font: — ℥iss M ℞ the dose is two tablespoonfuls a day

I wd not employ the Vol: Tinct. where Gout is present in the foot; but in Gout in the Stomach I wd use it — It is not unfavourable to the tone & strength of the Stomach; but I have not used it in Dyspepsia. —

Dr Hewson gave 10 grs of Guiac: & 10 grs of Rubigo Ferri, & 5 of red pepper, 2 or 3 times in 24 hours to the prisoners in our City Jail in Dyspepsia attended with costiveness with advantage —

I have not used Bergius Solution or Cullens preparation — My formula is as follows —

℞ ℥ Guiac — ij ij or iv ℥
Sacch Alb — ℥ij
℥ Arab: — ℥ij
Aq Font: — ℥x

Rub them down together — The dose a table

spoonful 6 or 8 times a day. —
In Chronic Rheumatism & Paralytic affections, it has been used with great advantage. —

Epilepsy. It has been used to cure this disease in the W Indies. But we must remember that Epilepsy is less violent there, & more frequently cured by removing fr a cold to a warm climate than by any thing else, except low diet.

In Colica Pictonum. I have often used the above formula with much benefit. It operates as an Universal Stimulant. In 1791 when I employed it, I did not know that it had been used by others, but I find Fothergill has spoken of it in high terms.

Dr Bergius in his Mat Med speaks of having frequently used it in this disease with advantage. —

In a Patient in the Hospital in this City afflicted with Rheumatism & Gout. It pro-

duced so copious a Salivation that he discharged ℔ 16 of Saliva in 48 hours. —

In certain forms of Dropsy it has been much recommended — but of this I have no experience

The Guiacum may be given in powder & Pill to the extent of 15 gr.

Siliquose. —

Under this head Linnaeus comprised an immense family of Plants. — The Mustard & Horseraddish are the chief articles wh I shall speak of under this head They are used Internally & externally in Med: & first of their

Internal Use

They have been used in Intermittents & a variety of other complaints. Mustard Bergius gave a tablespoonful of the un-

bruised seed of Mustard in Intermittents; during the Apyrexia - He tells us he cured Vernal Intermittents, but was not successful in Autumnal Quartans
It has been used with efficacy in protracted intermittents, combined with Bark I have employed them with great utility in those Intermittents tending to Typhus
The bruised seed of Mustard in Ard Apt. has cured Fever, but this practice requires much Caution. -

It has been used in Rheumatism & Palsy - In pure chronic Rheumatism where no Inflammatory Symptoms exist a tablespoonful of the unbruised seed has been used with manifest advantage - the entire seed about ℥ij or ℥iij 2 or 3 times a day is very proper. It seldom heats; stimulates the intestines, & frequently purges; & increases the secretion by the Kidnies - tho' it does not always prove Diuretic. - The

bruised seed is more apt to prove Emetic
I have given it myself with great advan
tage in Chronic Rheumatism but then
I used large doses - as 2 tablespoonfuls - I have
given ℥ss of the seed in 24 hours

The Horse Raddish is likewise em-
ployed in Rheumatism & Palsy - given in
wine - But Bergius employed it in a very
singular manner - he cut it into small pie-
ces & swallowed it without chewing - He
gave it thus in doses of a tablespoonful in
Arthritic cases of a Rheumatic kind

In Dropsy - Horse raddish & Mustard
have been useful in Dropsy - They act on
the matter of the Circulation increasing the
heat, & quantity of urine. There are many
cases of Dropsy however attended with much
fever in wh they must be injurious by
their Stimulating quality. But when there
is great debility, & a languid Circulation, it
is highly efficacious. I think Dropsy of-

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ten depends on a Paralytic or Torpid State of the Intestines, & here, perhaps, they wd be proper

Dr Mead mentions a case of Dropsy of the Ovaria cured by Horseraddish. –

In Scurvy, the Siliquose plants have been found useful in this Complaint. Here as in dropsy, they must act by stimulating, & increasing the discharge by the Skin & Kidnies – Horse raddish has been principally used. – Its active matter is carried into the course of the Circulation – It communicates its taste to the Flesh of those Animals who feed on it. It irritates issues considerably, as I found in myself when I wore them in my Arthritic affections. –

I mentioned that lime water was advantageously employed in Checking Vomitings, & shall tell you hereafter that Assafoetida has been employed for the same purpose –

A weak infusion of Mustard in Milk, or Cold water, has been in my hands very suc-

cessful in checking vomiting, particularly arthritic vomiting, & those succeed^d large doses of Opium or Laud: I call it a weak infusion when it is made by one teaspoon full of mustard to a gill of hot water, (one to be given every hour) — the mustard will subside, & then a teaspoonfull of the liquor shd be taken every hour

Cullen thinks the table mustard preferable, but the fresh powder of the seed is undoubtedly the best — & when first made is not so acid. —

External Use. —

They are employed with meal when powerful effects are to be produced. Two parts of fresh powdered mustard & one of rye meal are mixed together, & made into a paste by the intervention of vinegar. — This inflames the skin & causes great pain & if kept on long enough it causes a deper=

ation of the Epidermis. If we do not however wish it to act so powerfully we may use a smaller proportion of Mustard, & may make it up with milk — the proportions may be varied according to the immediate effects we wish to produce

Externally applied mustard & Horseradish are very stimulating applications, inducing heat, redness, & distressing pain, so much so that Patients never sleep under their operation; wh they generally do when Cantharides are employed.

They stimulate quicker than Cantharides — Sometimes however they fail in acting as a Blister wh good Cantharides never do. —

The operation of the Silaqueous plants depend entirely on their stimulating qualities. Horse radish is more stimulating than mustard, & we often find it beneficial to combine them. — In the employment of Sinnapisms, their evacuent effects

must be kept altogether out of view, as they operate altogether as Stimulants, & produce a new action, there being scarcely any discharge of Serum. —

In Convulsions fm Dentition, they give relief almost instantaneously, & are here an invaluable remedy — they act by exciting a new action. — And in the Convulsions attending the Eruptive Stage of S: Pox they are advantageous, but in the former they are preeminently useful. Whenever I am called to a case of Convulsions fm Dentition, instead of using Laud: & Sim: immediately fly to Sinnapisms, & always with the happiest effects. —

I have often succeeded in preventing Epileptic Paroxysms, particularly when they return at stated hours. — They shd here be strong, & be applied an hour or an hour & a half before the expected Paroxysm. This is highly deserving your attention

In Epilepsies depending on mobility, or occurring from the power of Habit, they are eminently beneficial. These often occur, & the Sinnapisms are preferable to the Cautery of Haller.

In Croup I have employed strong mustard Sinnapisms to the anterior part of the neck & found them better than blisters — they operate in about one tenth part of the time.

In Angina or Scarlet sore throat they prevent the complaint from extending by inducing it to the surface; & by promoting the seperation of the Gangrenous parts.

In Barrenness & Torpor Veneris, they have been much recommended, on the supposition that they act on the Genital Parts

Deafness of the Arthritic kind is often relieved by Sinnapisms. Where it is more permanent, blisters are of more service

Cholera Morbus. In a majority of

× I applied a ~~blister~~ sinapism to the back of my neck, & had it not been removed I shd have died. —

cases Laud: is used with Safety but lately where the disease has been more violent, I have employed Sinnapisms & given Opium in other forms - since I have adopted this practice, I have never lost an adult patient with this disease

In Vertigo fm Gout, or other causes, Sinnapisms are of great advantage. For 2 years I had Vertigo, & it was only remedied by Sinnapisms, & to them I owe my life; delivering lectures for 2 years under their Stimulus. They are however often precarious remedies - I once saw a case of violent pain in the kidnies wh by the application of Sinnapisms to the seat of pain was translated to the bladder producing distressing strangury & bloody urine - this was entirely removed by applying them to the ankles +

In Arthritic Strangury, blisters are very important remedies. But when

strangury is induced by Blisters, I use Sinnapisms to the ankles & wrists, & know of no remedy wh is more effectual - I knew them in a Lady to remove this distressing affection in 40 minutes

In Intermittents. They have sometimes been used to prevent a return of the Paroxysms of Intermittents, & I think them preferable to Blisters, because they are more powerful in exciting a new action, more uniform, & we can bring their action nearer to the time of the expected Paroxysm nor do they subject the Patient to pain for so long a time. —

In Irregular or Retrocedent Gout they have seemed to do injury, applied to the ankles. A Gent: of this City aged 35 yrs who had irregular Gout, applied them to his feet, if possible to bring it there, but they produced Vertigo, Nausea, & Retching wh had well nigh terminated fatally. —

The Bran obtained in making the powdered mustard is useful — One handful of it is put into 3 gallons of Water, to wh it communicates a mild Stimulating power. In this the Foot may be immersed in many cases with great advantage

Dr Haller prescribed Sinnapisms to the side in Pneumonia — but they are to be handled with Great Caution when applied to pained Parts — I have not followed this practice; I prefer blisters. —

Dr Mounsey used an infusion of Horse raddish in Scurvy. — There is an Aqua Sinapia in the Edinburgh Dispensary wh is a warm Cordial Med:

Alliacea

These are a natural apportment of stimulating Articles. They are allied to Asafoetida, & Ammoniac by their medical properties, but not by their Botanical Affinities — They take their name from the Allium or Garlic — The Garlic, Onion, Leek & are included in this Order — —

The Garlic & Leek are the most powerful species of this family, & most worthy of Attention as Med: —

Allium Sativum

The whole of the Garlic has nearly the same properties, but its virtues are greatest in the root or Bulb. Its smell is pungent — The stimulating quality appears to reside in an essential Oil wh — is dissipated by drying, or by boiling. Its activity is proved

by its effects when applied to the body. if it be bruised & applied to the skin, it will inflame, if continued, a blister is produced, but not so quick as fm the Silaquosa but it heals soon, tho' not so soon as fm flies. Very few are able to sleep under the operation of this application — the stimulus given by Garlic is less than that of flies, or the Silaquosa

When taken into the stomach it acts as a Stimulus & promotes digestion. It often passes off by the perspiration, giving its odour to that excretion. — The stimulus of Garlic is not confined to the parts to wh it is applied, but extends itself & induces a febrile state of the whole system — It stimulates the pulse, producing dryness of the Fauces & great thirst — hence it must be improper in inflammatory Complaints. — There are few stimulants so diffusible as Garlic. —

It acts as a Diuretic, & Dr Sydenham

has cured Dropsies with it - Donald Munro has cured some cases with the juice of the Leek - It prevades the minutest vessels of the system, & soon affects Ulcers & issues when they are worn. - It can only be employed in Dropsies without fever, or with fever of the Hectic Type - In cases of languid Circulation, & interrupted Secretions, Garlic is among our best remedies. -

In Scurvy. It w^d I think be useful in scurvy. Dr Lind has urged the necessity of adding Garlic & Onions to the diet of Scorbutic Patients - both as a preventative from it, & as a cure for the disease when it has occurred -

Garlic promotes the exhalation from the Lungs, & therefore in Asthma & other diseases in w^h expectorants are proper, it is highly beneficial - Garlic is useful even when applied to the Soles of the feet - I

witnessed one case in wh the Patient was unable to lie down, the lungs were charged with Mucus wh was relieved by Garlic –

Its Stimulating power is shewn by its preventing the recurrence of the Paroxysms of Intermittent Fevers. Bergius says that he has cured even Quartans beginning with one clove in the morng & evening, & increasing a clove every day – After the cure is effected the quantity must be gradually diminished

Bergius often mentions it as a cure for Rheumatic Deafness, he directs the Case made by the silk worm to be dipped in the expressed juice of Garlic & introduced into the ear – wh stimulates the meatus Auditorius, inflames it, restores the sensibility of the part, & its natural Secretion –

In violent Earaches the same application has been used – here probably it acts like a blister in Toothache

× Gum resins

In Glandular Diseases I think Garlic might be useful — But this I throw out as a Hint. —

Garlic is employed in different forms — Sometimes entire cloves are dept in oil & swallowed, wh does not occasion so much heat — Some cut it into small pieces & swallow it. Sometimes it is bruised & made into Pills with flour — but as its active powers are dissipated by drying, this is not a proper mode when it is to be kept. — It is sometimes made into an Oxymel —

+

Asafotida.

This is a Fotid Concrete juice, obtained fm a large Umbilliferous plant, like the Fennel. It grows in Persia. — The juice is obtained fm the root, after it is cleared fm the earth, it is cut, & the juice issues out ~~to~~ in the form of a white liquid, but on exposure to the air

It becomes hard & of a brown colour - It is of a bitter, acrid & pungent taste, & strong smell - This is a good test of its power - Its active power resides in its volatile parts & therefore it loses much of its virtue by keeping - ℥j of the recent juice gives out a much stronger odour than 100 ℔ of the dried. It is a true gum resin - Its smell & taste resides in the gum, but more so in the resin. -

Assafoetida is one of the most powerful fetid gums, & is well entitled to yr attention

Behgius used it in Common Intermittents, but not in recent cases - He seldom found it important unless combined with the Bark - He says that he cured 100 cases by the following prescription

Assafoetida - - ℥ij
Spt Mindereri ℥ij
Olium Puligii - - gtts x Put the Penny Royal Oil & Assafoetida together with a little

Spt. Minder: then add the remainder — Strain the Med: pour it into a Vial & cork it tight. Dose from ℥j to ℥ss. —

Boerhaave used it in Nervous diseases & is useful in spasmodic affections of the Stomach. —

He found it valuable in Typhus Fever. It shews its Stimulating effects in this disease & many others. —

Asafetida is a valuable Med: in Dyspepsia & in some diseases of the Bowels. —

Being a laxative, it is proper in removing the Flatulent Colics of Hysteria & Hypochondriasis. — See Cullen — It may be used in injection as well as by the mouth. —

Epilepsy. Bertholler says he has used it in Epilepsy with benefit. — as well as in Chorea, Mania, & other nervous affections

In the Spasmodic Asthma of Children Asafoetida has often been extremely useful

Dr

Dr Miller gave it by the mouth, & by injection, & found no med: so beneficial He did not however confide entirely in Asafotida, but during the intermissions of the Spasms threw in the Bark to strengthen the Lungs. It is remarkable that it seldom excites Nausea in Children - It has a determination to the Skin, & acts as an Expectorant

Dr Huber & Boerhaave used it in genuine Cynanche Trachealis in injections about ℥j in ℥iv of water

In Cynanche Maligna Trachealis Asafotida has been employed - Here the secretions must be kept up & therefore the Squill combined with Ammoniac is useful but the combination of Asafetida with the Oxymel of Squills is better. Dr Johnson used it here - He exhibited the Bark, & between the doses he gave a large spoonful of a strong infusion of Asafotida. - This is different from the Croup of this Country, & is never an Idiopathic

& Combined with Quinin

affection, always symptomatic – The Patient has at first the symptoms of Scarlatina Anginosa, but the disease seems to descend to the Trachea & is often fatal. –

Asafoetida has also been used in common Spasmodic Asthma with advantage – All the foetid Gums enter the lungs & act as expectorants, but none are better than this, it is not however sufficiently powerful alone, but is very properly combined with other substances. –

* It is said to remove the disagreable headache wh arises from giving Opium alone – Donald Monro combined it with Opiates for this purpose – Notwithstanding this it is endowed with a Narcotic quality. –

Asafoetida so generally acts as a Purgative, that I might treat of it seperately as a Cathartic; And it is remarkable that in delicate sedentary women 2 or 3 grs will purge, when other more powerful med: wd not have this effect. It is peculiarly adapted to the Torpid state of the bowels in Hysteric women, Cold

people. — Sometimes it Salivates. —

Caries of the Bones. It has been celebrated in Caries of the Bones — Dr Block used ℥j of Asafoetida & ℥j of Camphor mixed together with Sugar. & ℥j of this mixture taken morning & evening. he mentions 4 cases in wh it effected a cure. —

In caries from an internal cause, its success is more dubious. It must act by promoting exfoliation of bone — Houfland found it useful in Caries from Syphilis. Dr Hippen used it in these cases in the P Hospital but without Success.

It is a substance well adapted to make experiments on the absorption of Med: If you stand in an Atmosphere of Asafoetida, the Faces & urine will be strongly impregnated with the Odour. —

Asafoetida is employed in various forms, often in the solid form in Pills, Volatile Tinct. Extract by water. When mix with a sudden

or speedy effect, the watery or spirituous solution ought be used. — I have frequently used it in the following Formula. —

℞ Asafetida —— ʒij or iij
Sacch alb — —— ʒij
Aq Font — —— ℥vj or viij

Gum Ammoniac. —

This is supposed to be the produce of an umbelliferous plant. It has less of the Fœtid odour than all the other Fœtid Gum Resins; & for this Cullen thinks its power is very inconsiderable. But this is certainly a mistake, for it is known to be a good Expectorant. —

Dr Wistar used it in Hooping Cough, & thinks it preferable to Asafœtida. —

Myrrh

This is a Gum Resin, of a brown or Reddish Colour, delightful fragrant Smell, & Oily, Aromatic & bitter taste. Its Botanical History is unknown - It grows in Arabia & Ethiopia. Taken in small quantities, it promotes the appetite, & assists digestion, & is certainly an incitant Medicine - But in large doses it heats the whole body, & quickens the Pulse. - The Mixture of Myrrh, Potash, & Sulphate of Iron, is an excellent Stomachic between the fits of Asthma

It has been used in Intermittents more commonly in combination with Bark or Nutmeg. Dr Jas Armstrong gave ℥j every 2 or 3 hours between the Paroxysms.

In Angina Maligna combined with Bark it has been found useful ℥j every 2 or 3 hours. -

The Pectoral Qualities of Myrrh are much

spoken of by British writers - & on this acct - it is used in the suppurative stage of Consumption. Of its effects in Phthisis there are a variety of opinions - Cullen says he found it by no means beneficial, but hurtful in large doses. - In inflammat^y stage of Phthisis Dr Saunders thinks it too Acrid; but in debility useful. -

In Hysteria & such complaints it has been used in combination with Sal Martis &c

In Ulcers of various kinds, it has been much celebrated for its Balsamic & Antiseptic Qualities (See Cullen) As a Balsam it is very acrid - It possesses the common virtues of Bals: Copaiva. -

Dr Cullen thinks it may be useful in the flaccidity wh^n accompanies a retention of the menses. I have not employed it here but sh^d think it w^d be useful

Dr Sydenham says he has found Myrrh in combination with Iron of great advantage

in Febris Alba. — The virtues of Myrrh may be extracted by water or Spt. Wine but best by the latter. —

Mezereon. —

This has been much celebrated in Syphilis; it has been used by Monro & others. Home says it is one of the most powerful Deobstruents. B Bell speaks of it in high terms in Syphilis. He found it useful in those spreading Ulcers & succeed Buboes &c. — The Mezereon has been extensively employed in Lisbon for the cure of Syphilis, & given in decoction. There is a preparation called the Lisbon Diet drink wh is the one generally used there

℞ Sarsaparilla ℥iij
Guiacum — ℥j
Radix Glycy — ℥j

Ven

Vin Antim -- gtt LO
Mezereon ——— ℥ iij
Aq Font ——— ℥ xxxij This
is put for 3 days in a Sand Bath at 100°
of Farenheit – then strain, & let the Patient
take as much as his stomach will bear, &
repeat it as often as he can without exciting
any disagreeable effect. – This is one way
in wh. it has been used; but I believe
the follow.g is the best Formula. –

Radix Sarsaparilla sliced & bruised ℥ iv
Raspings of Guiacum ——— ℥ i
Liquorice root ——— ℥ j
Bark of Mezereon root ——— ℥ iij
Distilled water ——— x pints

Macerate for 6 hours with a gentle heat,
then boil it down to 5 pints adding to-
wards the close the Bark of Mezereon root,
& strain the liquor. This is the Formula pub-
lished by Dr Donald Monro in the Physical
& Literary Essays of Edinburgh. –

The follow^g has also been used by some, & particularly by Dr Monroe

℞ Sarsaparilla ———— ℥iij
Red, & White Saunders a.a. ℥iij
Mezereon ———— ℥ij
Valerian ———— ʒi
Aq Fort ———— ℔viij —

Digest for several days. I do not think the Diet, by itself, ever cured Syphilis, without a combination with Mercury. But it has been useful in Vener^l Nodes, arising from a thickening of the Periosteum of the Bones. —

In Hernia Humoralis a decoction of Mezereon combined with Merc^y has been found useful. When externally applied, it produces a blister & a discharge of Serum. The Bark of the root is to be macerated in wine & then applied. —

In Opthalmia the Mezereon sh^d be applied to the arms near the insertion of the Deltoid Muscle — & in Habitual Op=

thalmia to the Legs

I have now finished that great Class the Incitantia; & shall next proceed to speak of those Medicines, wch are more entitled to our attention as Evacuant Medicines

I shall divide them into several Classes

Stimulantia Evacuantia

Stimulantia Evacuantia